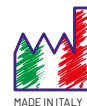


pH METERS



PORTABLE
INSTRUMENTS **WARRANTY 5 YEARS**

BENCHTOP
INSTRUMENTS **WARRANTY 3 YEARS**



COMPANY WITH
QUALITY MANAGEMENT SYSTEM
UNI EN ISO 9001:2015
CERTIFIED BY CERTIQUALITY



HOW TO CHOOSE

	Violab pH 50	Violab pH 60	pH 8 PRO	pH 80 PRO
Resolution	0,01 pH	0,01 pH	0,001 pH	0,001 pH
Display	coloured LCD	coloured LCD	Coloured graphic	Coloured graphic
GLP calibration	☐	☒	☒	☒
Calibration password	☐	☐	☒	☒
Calibration points	3	3	5	5
Calibration due alarm	☐	☒	☒	☒
Electrode status indication	☐	☐	☒	☒
Selective ION	☐	☐	☐	☒
Data logger	☐	☒	☒	☒
PC / Printer connection	☐	☒	☒	☒
Analog view	☐	☐	☒	☒
Alarm settings	☐	☐	☒	☒
Multilanguage	☐	☐	☒	☒
Account manager + audit trail	☐	☐	☐	☒
External keyboard	☐	☐	☐	☒

pH 80 PRO

- Resolution 0,1 / 0,01 / 0,001 pH
- Advanced user management (4 levels , 15 profiles)
- Data logger, 8000 data memory in GLP
- Analysis Menu for data traceability + Audit trail
- Customisable print templates
- Multiview screen

pH meter, digital benchtop ionmeter for advanced laboratory analyses.

Automatic pH calibration (6 buffer families) or manual, on 5 values.

ISE calibration from 2 to 5 points.

Automatic and manual ORP calibration (1 point).

Calibration due warning and/or measurement block.

Alarm setting and display functions in analogue, 'Hold' and 'Stability' format with titration mode (Tit) and time stability for ISE, self-diagnosis messages.

Advanced user management (Admin, Manager, User,

Guest) with different possibilities of access to instrumental functions.

Different data logger modes (Manual, Automatic, Min/Max, Delta value).

Analysis menu for complete editing of your measurements: you can enter all useful information about the sample and test.

Multiview screen (up to 6 user-selectable parameters can be displayed simultaneously).

Customisable print templates. Multilingual Setup Menu (Ita - Eng - Deu - Fra - Esp - Por).

Free Data-Link+ software available at www.xsinstruments.com for PC data management, including Audit Trail.

2 USB outputs for external keyboard and PC connection. RS232 port for printer connection.

Independently controlled magnetic stirrer (optional).



Measuring range:

pH: -2,000...20,000 (0,001 pH)

mV: -2000...+2000 (0,1 - 1 mV)

ISE: 0,001...19999ppm

ORP: -2000...+2000 mV (0,1 - 1 mV)

Temperature: -30...130,0 °C (0,1 °C)

Equipped with

S7/BNC cable, NT 55 temperature probe, electrode holder stand, coloured buffer solutions, external keyboard, USB cable and multisocket power supply.

Name	Description	P/N
pH 80 PRO STIRRER	Complete with digital electrode XS Standard DHS, magnetic stirrer with adjustable speed	50101392
pH 80 PRO STIRRER	Complete with electrode XS Standard, magnetic stirrer with adjustable speed	50101402
pH 80 PRO STIRRER	Without electrode, with magnetic stirrer with adjustable speed	50101412
pH 80 PRO BASIC	Complete with digital electrode XS Standard DHS, without magnetic stirrer	50101442
pH 80 PRO BASIC	Complete with electrode XS Standard S7, without magnetic stirrer	50101422
pH 80 PRO BASIC	Without electrode and magnetic stirrer	50101432
KEYBOARD	External soft keyboard with USB cable for 80+ Series	50001462
IQ-00 MANUAL 80 SERIES	Printed manual IQ-00 for XS 80 PRO Series	50001472

pH 8 PRO

- Resolution 0,1 / 0,01 / 0,001 pH
- Backlit colour **graphic display**
- Automatic temperature compensation
- Data logger, 1000 data memory in GLP
- Numerical password



Digital benchtop pH meter.

Automatic pH calibration (5 values) on different standard buffer, or custom (2 values).

Automatic and manual 1-point ORP calibration.

Recall and printout of calibration data. Graphical display of electrode status.

Calibration due warning and/or measurement block.

Alarm setting and analogic view, "Stop-reading" and 'Stability' with titration mode (Tit), self-diagnosis messages.

Numeric password for protecting saved data and calibration management.

Data logger up to 1000 data in GLP with possibility of sending to printer or PC.

Multilanguage Setup Menu (Ita - Eng - Deu - Fra - Esp - Por).

Free Data-Link+ software at www.xsinstruments.com for PC data management.

USB output for PC connection and RS232 port for printer connection.

Independently controlled magnetic stirrer (optional).

Measuring range:

pH: -2,000...16,000 (0,001 pH)

mV: -2000...+2000 (0,1 - 1 mV)

ORP: -2000...+2000 (0,1 - 1 mV)

Temperature: -20...120,0 °C (0,1 °C)

Equipped with:

S7/BNC cable, NT 55 temperature probe, electrode holder stand, coloured buffer solutions, USB cable and multi-socket power supply.

Name	Description	P/N
pH 8 PRO STIRRER	Complete with digital electrode XS Standard DHS , magnetic stirrer with adjustable speed	50101252
pH 8 PRO STIRRER	Complete with electrode XS Standard , magnetic stirrer with adjustable speed	50101232
pH 8 PRO STIRRER	Without electrode, with magnetic stirrer with adjustable speed	50101242
pH 8 PRO BASIC	Complete with digital electrode XS Standard DHS , without magnetic stirrer	50101192
pH 8 PRO BASIC	Complete with electrode XS Polymer , without magnetic stirrer	50101202
pH 8 PRO BASIC	Without electrode and magnetic stirrer	50101212
IQ-00 MANUAL SERIES 8	Printed manual IQ-00 for XS 8 PRO Series	50001492

ACCESSORIES SERIES 8 / 80

	Description	P/N
MAGNETIC STIRRER	Adjustable speed, with electrode holder and connection cable	50001132
PRINTER RS 232	External printer with normal paper for XS 60 VioLab / 8 / 80 series	50001502
POWER SUPPLY	Power supply 12V/1A for XS 8 PRO and 80 PRO series	50001512

pH 60 *Violab*

- Resolution 0,1 / 0,01 pH
- Automatic and manual **temperature compensation**
- **Data logger** auto and manual , **up to 1000 savings in GLP**
- **Automatic calibration up to 3 points**
- **DHS digital sensors** management

Professional benchtop pH meters with innovative **backlit high definition coloured LCD display**, with possibility of brightness adjustment.

Management of **DHS digital sensors**.

Possibility to select the parameters to show on the display.

The **step by step guide** in setup and calibration allows a simple and immediate use of the device.

Automatic pH calibration with USA and NIST buffers, up to 3 points and 2 points defined by the user.

Automatic ORP calibration on 1 point.

Measurement **stability indication** and possibility to select 3 stability levels.

All operations are constantly monitored and shown to the operator by the **coloured LED** above the display and self-diagnosis messages.

GLP function: Date and time, recall of calibration data and function "Calibration due".

Data logger up to 1000 savings, manual and automatic, PC connection via micro-USB.

Data-Link + software available at www.xsinstruments.com.

RS 232 external **printer connection**



Measuring range:

pH: -2,00...16,00 (0,01 pH)

mV: -1000...+1999 (0,1 - 1 mV)

Temperature: -10...110,0 °C (0,1 °C)



Equipped with:

Electrode holder stand, pH buffer solutions, USB cable, power supply and instructions for use.

Name	Description	P/N
pH 60 VIOLAB DHS ELECTRODE	Complete with digital electrode XS 201 T DHS , with integrated temperature sensor	50101102
pH 60 VIOLAB ANALOG ELECTRODE	Complete with electrode XS 201 T , with integrated temperature sensor	50101092
pH 60 VIOLAB WITHOUT ELECTRODE	With accessories, S7-BNC cable, temperature sensor NT 55, without electrode	50101112
PRINTER RS 232	External printer with normal paper for XS 60 / 8 / 80 series	50001502

pH 50 Violab

- Resolution 0,1 / 0,01 pH
- Automatic and manual **temperature compensation**
- Coloured backlit high definition **LCD display**
- **Automatic calibration up to 3 points**
- **DHS digital sensors** management

Professional benchtop pH meter with innovative **backlit high definition coloured LCD display**, with possibility of brightness adjustment.

Management of **DHS digital sensors**.

Possibility to select the parameters to show on the display.

The **step by step guide** in setup and calibration allows a simple and immediate use of the device.

Automatic pH calibration with USA and NIST buffers, up to 3 points and 2 points defined by the user.

Automatic ORP calibration on 1 point.

Measurement **stability indication** and possibility to select 3 stability levels.

All operations are constantly monitored and shown to the operator by the **coloured LED** above the display and self-diagnosis messages.

Measuring range:

pH: 0,00...14,00 (0,01 pH)

mV: -1000...+1000 (1 mV)

Temperature: 0...100,0 °C (0,1 °C)



Colored LCD display

Equipped with:

Electrode holder stand, pH buffer solutions, power supply and instructions for use.

Name	Description	P/N
pH 50 VIOLAB DHS ELECTRODE	Complete with digital electrode XS 201 T DHS , with integrated temperature sensor	50101032
pH 50 VIOLAB ANALOG ELECTRODE	Complete with electrode XS 201 T , with integrated temperature sensor	50101002
pH 50 VIOLAB WITHOUT ELECTRODE	With accessories, S7-BNC cable, temperature probe NT 55, without electrode	50101012

pH 70 Vio

- Resolution 0,1 / 0,01 pH
- Coloured backlit high definition LCD display
- Automatic and manual **temperature compensation**
- **Data logger** auto and manual , up to 1000 savings in GLP
- GLP functions
- DHS digital sensors management

Professional portable pH meter with **innovative high-resolution colour display**, suitable to work in any conditions, thanks to the automatic and manual brightness adjustment.

Possibility to select the parameters you want to show.

The **step by step guide** in setup and calibration mode allows a simple and intuitive use of the device.

Automatic pH calibration with USA and NIST buffers up to 3 points and 2 points custom defined by the user.

Automatic ORP calibration in 1 point.

Measurement **stability indicator** and possibility of selecting 3 levels of stability.

All operations and errors are constantly monitored and shown to the operator via the **coloured LED** above the display.

GLP function: Date and time, recall of calibration data and function "Calibration due".

Data logger up to 1000 savings, manual and automatic, PC connect via micro-USB.

Data-Link + software available from www.xsinstruments.com.



Measuring range:

pH: -2,00...16,00 (0,01 pH)

mV: -1000...+1999 (0,1 - 1 mV)

Temperature: -10...+110,0 (0,1 °C)

Equipped with:

coloured buffer solutions of pH, USB cable and power supply, instructions for use and plastic carrying case.

Name	Description	P/N
pH 70 VIO DHS ELECTRODE	Complete with digital electrode XS 201 T DHS , with integrated temperature sensor	50110182
pH 70 VIO ANALOG ELECTRODE	Complete with electrode XS 201 T , with t integrated emperature sensor	50110112
pH 70 VIO WITHOUT ELECTRODE	With accessories, S7-BNC cable, temperature probe NT 55, without electrode	50110122
pH 70 VIO FOOD DHS	Complete with penetration digital electrode XS 2 Pore T DHS , for food applications	50110192
pH 70 VIO FOOD	Complete with penetration electrode XS 2 Pore T , for food applications	50110162

pH 7 Vio

- Resolution 0,1 / 0,01 pH
- Coloured backlit high definition LCD display
- Automatic and manual **temperature compensation**
- DHS digital sensors management.

Professional portable pH meter with **innovative high-resolution colour display**, suitable to work in any conditions, thanks also to the possibility to adjust manually contrast and brightness of the display.

Possibility to select the parameters you want to show.

The guide onboard in setup and calibration mode allows a simple and intuitive use of the device.

Automatic pH calibration with USA and NIST buffers up to 3 points and 2 points custom defined by the user.

Automatic ORP calibration in 1 point.

Measurement stability indicator and possibility of selecting 3 levels of stability.

All operations and errors are constantly monitored and shown to the operator via the **coloured LED** above the display.



Measuring range:

pH: 0,00...14,00 (0,01 pH)

mV: - 1000... + 1000 (1 mV)

Temperature: 0...+100,0 (0,1 °C)

Equipped with:

coloured buffer solutions of pH, instructions for use and plastic carrying case.

Magnetic support

Name	Description	P/N
pH 7 VIO DHS ELECTRODE	Complete with digital electrode XS 201 T DHS , with integrated temperature sensor	50110072
pH 7 VIO ANALOG ELECTRODE	Complete with electrode XS 201 T , with integrated temperature sensor	50110012
pH 7 VIO WITHOUT ELECTRODE	With accessories, S7-BNC cable, temperature probe NT 55, without electrode	50110022
pH 7 VIO FOOD DHS	Complete with penetration digital electrode XS 2 Pore T DHS , for food applications	50110082
pH 7 VIO FOOD	Complete with penetration electrode XS 2 Pore T , for food applications	50110032

ACCESSORIES pH

pH ELECTRODES

Name	Description	P/N
XS STANDARD T DHS DIGITAL pH ELECTRODE	Digital pH electrode combined with DHS technology. Glass body and cylindrical membrane for general applications. Refillable KCl 3M electrolyte. Excellent chemical resistance and easy to clean. Included with serial number and certificate. Dimensions (LxØ) mm 120x12 - pH 0...14 - Temperature -10...100 °C	32200123
XS STANDARD PH ELECTRODE	pH Electrode combined with S7 head. Glass body, for general use. Refillable KCl 3M Electrolyte. Excellent chemical resistance and easy to clean. With serial number and certificate. Dimensions (LxØ mm) 120x 12 - pH 0...14 - Temperature -10...100 °C.	32200363
XS POLYMER S7	Combined pH Electrode S7 head . Glass Body for general use. Cylindrical membrane. Polymer filling, open pore. For a fast response with high accuracy in samples that might contaminate normal diaphragms. Maintenance-free. Dimensions (LxØ) mm 120x12 - pH 0...14 - Temperature -10...80 °C	32200223
201 T DHS DIGITAL pH ELECTRODE	Digital pH electrode combined with DHS technology. Plastic body for general use. Polymer Filling, ceramic diaphragm. Maintenance-free. Dimensions (LxØ) mm 120x12. pH 0...14 - Temperature 0...60 °C	32200103
201 T PH ELECTRODE	Combined pH electrode with NTC temperature sensor integrated. Plastic body for general applications. Polymer filling with ceramic diaphragm. Maintenance-free. Fixed cable 1 mt., BNC + RCA plug. Dimensions (LxØ) mm 120x12 - pH 0...14 - Temperature 0...60 °C	50002002
201 T / 5 PH ELECTRODE	Combined pH electrode with NTC temperature sensor integrated. Plastic body for general applications. Polymer filling with ceramic diaphragm. Maintenance-free. Fixed cable 5 mt., BNC + RCA plug. Dimensions (LxØ) mm 120x12 - pH 0...14 - Temperature 0...60 °C	50002022
XS 2 PORE T DHS DIGITAL pH ELECTRODE	Digital pH electrode combined with DHS technology. Glass Body. Filled with polymer, maintenance-free. Penetration tip. Ideal for meats and cheese samples. Dimensions (LxØ) mm 35x6 - pH 0...14, Temperature 0...60 °C	32200113
XS 2 PORE T BNC + RCA	Glass Body. Filled with polymer, maintenance-free. With temperature sensor integrated NTC 30 KΩ, Penetration tip. Ideal for meats and cheese samples Fixed cable 1 mt length, pH 0...14, Temperature 0...60 °C	32200323

REDOX ELECTRODES

REDOX ELECTRODE REDOX	Fix cable 1 m, BNC connector, epoxy body. Gel filling, double junction, maintenance-free. Ceramic diaphragm. Range ± 1.000 mV, Temperature 0...60 °C. Dimensions (LxØ) 120 x 12 mm	32105302
REDOX / 5 ELECTRODE REDOX	Fix cable 5 m, BNC connector, epoxy body. Gel filling, double junction, maintenance-free. Ceramic diaphragm. Range ± 1.000 mV, Temperature 0...60 °C. Dimensions (LxØ) 120 x 12 mm	32105102

CONNECTING CABLE

Connecting cable with **S7 head** and BNC plug for XS meters.
Diameter 3 mm, lenght 1 m.

Name	Description	P/N
BNC	Cable S7-BNC 	33551733

STORAGE SOLUTION

Name	Pack	P/N
Storage solution for electrodes	55 ml	32208043
Storage solution for electrodes	500 ml	32208053

TEMPERATURE PROBES

NT 55 TEMPERATURE SENSOR	Temperature probe NTC 30 KΩ for XS instruments, for liquids and air	50002012
NT 7P TEMPERATURE SENSOR	Temperature probe NTC 30 KΩ, penetration tip , diameter 4 mm, cable fix 1 m	50011122
NT 55 + CABLE KIT	NT 55 temperature probe kit and 1 m S7/BNC cable	50002032

ACCESSORIES

Name	Description	P/N
ECOSTIR MAGNETIC STIRRER	Variable speed magnetic stirrer complete with electrode holder, magnetic stirring rod and main power supply	22001953
ELECTRODE HOLDER MOD: 3900	Flexible electrode holder	50000112
PRINTER	External printer with normal paper for XS 8 / 80 SERIES XS VIOLAB 60 power supply and RS 232 cable	50001502
POWER SUPPLY VIO - PORTABLE	Power supply and cable for XS Vio portable series	50110172
POWER SUPPLY VIOLAB - BENCHTOP	Power supply and cable for XS VioLab benchtop series	50001052

STANDARD BUFFER SOLUTION

With certificate of analysis downloadable from www.xsinstruments.com



○ SACHETS 25 ml

Name	Description	P/N
pH 4.01 (25°C)	Pack of 20 sachets 25 ml, red, with certificate of analysis	51102013
pH 7.00 (25°C)	Pack of 20 sachets 25 ml, green, with certificate of analysis	51102023
pH 10.01 (25°C)	Pack of 20 sachets 25 ml, with certificate of analysis	51102043
SET CAL pH BIS	Pack of 20 sachets 25 ml (10 x pH 4.01 and 10 x pH 7.00)	51102203
SET CAL pH BIS	Pack of 20 sachets 25 ml (7 x pH 4.01, 7 x pH 7.00 and 6 x pH 10.01)	51102213
STORAGE	Pack of 20 sachets 10 ml, pH/ORP Sensor Storage Solution	51102083
H₂O	Pack of 20 sachets 25ml, Distilled water for sensor cleaning	51102093

○ BOTTLE 250 ml with integrated calibration compartment

Name	Description	P/N
pH 4,01	±0,01 / 25°C - Red	51100033
pH 7,00	±0,01 / 25°C - Green	51100043
pH 10,01	±0,02 / 25°C - Uncoloured	51100063

○ BOTTLE 500 ml with integrated calibration compartment

Name	Description	P/N
pH 4,01	±0,01 / 25°C - Red	51100133
pH 7,00	±0,01 / 25°C - Green	51100143
pH 10,01	±0,02 / 25°C - Uncoloured	51100163



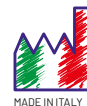
Brochures **XS Vio** and **XS VioLab** are available on our website
www.xsinstruments.com

CONDUCTIVITY METERS



PORTABLE
INSTRUMENTS **5**
YEARS WARRANTY

BENCHTOP
INSTRUMENTS **3**
YEARS WARRANTY



COMPANY WITH
QUALITY MANAGEMENT SYSTEM
UNI EN ISO 9001:2015
CERTIFIED BY CERTIQUALITY



HOW TO CHOOSE

	Violab COND 50	Violab COND 60	COND 8 PRO	COND 80 PRO
COND and TDS	●	●	●	●
Salinity	○	●	●	●
Resistivity	○	○	○	●
Ultra pure water compensation	○	○	○	●
Display	colour backlit LCD	colour backlit LCD	Colour graphic	Colour graphic
GLP Calibration	○	●	●	●
Calibration password	○	○	●	●
Calibration points	4	4	4	4
Calibration due alarm	○	●	●	●
Electrode status indication	○	○	●	●
Data logger	○	●	●	●
PC / printer connection	○	●	●	●
Multilanguage menu	○	○	●	●
Account manager + audit trail	○	○	○	●
External keyboard	○	○	○	●

COND 80 PRO

- Resolution 0,01 μS - 4-rings sensor
- Automatic and manual **temperature compensation**
- Advanced user management** (4 levels, 15 profiles)
- Data logger**, 8000 data memory in GLP
- Menu Analysis for data tracking + Audit Trail**
- Customisable print templates**
- Multiview**

Digital benchtop conductivity meter for advanced laboratory analysis.

Automatic calibration up to 4 conductivity standards (84, 1413 μS , 12.88 mS, 111.8 mS) from 1 to 4 points with calculation of different cell constants or 1 point of user's choice.

Automatic scale change, automatic and manual temperature compensation (0...100,0 $^{\circ}\text{C}$).

Reference temperature (15...30 $^{\circ}\text{C}$), Linear (0.00...10.00%) and non-linear temperature coefficient for ultrapure water. Compatible with 4-rings and 2-rings cells, with indication of the selected constant.

Calibration due warning and/or measurement lockout.

Alarm setting and analogic view, 'stop-reading', stability indication, self-diagnosis messages.

Advanced user management (Admin, Manager, User, Guest) with different permissions.

Data logger modes: Manual, Automatic, Min/Max, Delta value.

Analysis menu for complete editing of your measurements: you can enter all useful information on the sample and test.

Multiview (up to 6 user-selectable parameters can be displayed simultaneously).

Customisable print templates. Multilingual Setup Menu (Ita - Eng - Deu - Fra - Esp - Por).

Free Data-Link+ software available at www.xsinstruments.com for PC data management, including Audit Trail.

2 USB outputs for external keyboard and PC connection. RS232 for printer connection.

Independently controlled magnetic stirrer (optional).



Measuring range:

Cond: 0,1 μS ...1 S (0,01 μS - automatic)

TDS: 0,1 mg/l...500,0 g/l

Salinity: 0,1 ppm...100,0 ppt

Resistivity: 1,00 Ω ...10,00 M Ω

Temperature: -30... +130,0 (0,1 $^{\circ}\text{C}$)

Equipped with:

Electrode holder stand, conductivity standards, external keyboard, USB cable, multi-socket power supply and user manual.

Name	Description	P/N
COND 80 PRO STIRRER	Complete with conductivity cell EPT 4 with four rings, integrated temperature sensor, and magnetic stirrer with adjustable speed	50103392
COND 80 PRO STIRRER	Complete with EC cell VPT 1 glass/platinum (C=1) with integrated temperature sensor, and magnetic stirrer with adjustable speed	50103402
COND 80 PRO STIRRER	Without EC cell, with magnetic stirrer with adjustable speed	50103412
COND 80 PRO BASIC	Complete with conductivity cell EPT 4 with four rings and integrated temperature sensor, without magnetic stirrer	50103442
COND 80 PRO BASIC	Complete with EC cell VPT 1 glass/platinum (C=1) with integrated temperature sensor, without magnetic stirrer	50103422
COND 80 PRO BASIC	Without EC cell and magnetic stirrer	50103432
KEYBOARD	Soft external keyboard for XS 80 PRO Series	50001462
IQ-OQ MANUAL 80 SERIES	Paper manual IQ-OQ for XS 80 PRO Series	50001472

COND 8 PRO

- Resolution 0,01 μ S
- Coloured backlit high definition LCD display
- Automatic and manual **temperature compensation**
- **Data logger** auto and manual , up to 1000 savings in GLP

Digital benchtop conductivity meter.

Automatic calibration up to 4 conductivity standards

(84, 1413 μ S, 12.88 mS, 111.8 mS) from 1 to 4 points with calculation of different cell constants or 1 point of user's choice.

Recall and printout of calibration data.

Automatic scale change, automatic and manual temperature compensation (0...100.0 °C). Reference temperature (15...30 °C).

Linear temperature coefficient (0.00...10.00%).

2 rings cell technology with selection and indication of cell constant (0.1 - 1.0 - 10).

Calibration due warning and/or measurement block.

Alarm setting and analogic view, "Stop reading", stability indication, **self-diagnosis messages**.

Numeric password for protection of saved data and calibration management.

Data logger up to 1000 data in GLP with possibility of printing and data download to PC.

Multilingual Setup Menu (Ita - Eng - Deu - Fra - Esp - Por).

Free Data-Link+ software available at www.xsinstruments.com for PC data management data to PC.

USB output for PC connection.

RS232 for printer connection. Independently controlled magnetic stirrer (optional).



Measuring range:

Cond: 0,1 μ S ...500 mS (0,01 μ S - automatic)

TDS: 0,1 mg/l...200,0 g/l

Salinity: 0,1 ppm ...100,0 ppt

Temperature: -20...+120,0 (0,1 °C)

Equipped with:

Electrode holder stand, conductivity standards, USB cable, multi-socket power supply and user manual.

Name	Description	P/N
COND 8 PRO STIRRER	Complete with epoxy EC cell 2301T (C=1) integrated temperature sensor, and magnetic stirrer with adjustable speed	50103232
COND 8 PRO STIRRER	Without EC cell, with magnetic stirrer with adjustable speed	50103242
COND 8 PRO BASIC	Complete with epoxy EC cell 2301T (C=1) integrated temperature sensor, without magnetic stirrer	50103202
COND 8 PRO BASIC	Without EC cell and magnetic stirrer	50103212
IQ-00 MANUAL SERIES 8	Paper manual IQ-00 for XS 8 PRO Series	50001472

ACCESSORIES 8 / 80 PRO SERIES

Name	Description	P/N
PRINTER	External printer with normal paper for XS VIOLAB 60 - 8 PRO - 80 PRO , power supply and RS232 cable included	50001502
STIRRER	Magnetic stirrer with adjustable speed for XS 8 PRO and 80 PRO series, complete with electrode holder and connecting cable	50001132

COND 60 *Violab*

- Resolution 0,01 μ S
- Coloured backlit high definition LCD display
- Automatic and manual temperature compensation
- Data logger auto and manual , up to 1000 savings in GLP
- PC/Printer connection

Professional benchtop conductivity meter with innovative **backlit high definition coloured LCD display**, with possibility of brightness adjustment. Possibility to select the parameters to show on the display.

The **step by step guide** in setup and calibration allows a simple and immediate use of the device.

Automatic conductivity calibration up to 4 points (84; 147; 1413 μ S e 12,88; 111,8 mS) or 1 point custom.

Automatic resolution, reference temperature from 15 to 30 °C, and selectable cell constant (C= 0,1; 1; 10).

Indication of the calibrated points, with icons.

Measurement stability indication.

All operations are constantly monitored and shown to the operator by the **coloured LED** above the display and **self-diagnosis messages**.

GLP function: Date and time, recall of calibration data and function "Calibration due".

Data logger up to 1000 savings, manual and automatic,



PC connection via micro-USB.

Data-Link + software available at www.xsinstruments.com.

RS 232 external printer connection.

Measuring range

Cond: 0,1 μ S ... 200 mS (0,01 μ S - automatic)

TDS: 0,1 mg/l ... 200 g/l

Salinity: 0,1 ppm ... 100 ppt

Temperature: - 10 ... + 110,0 (0,1 °C)



Equipped with:

Electrode holder stand, conductivity standards, USB cable, power supply and instructions for use.

Name	Description	P/N
COND 60 VIOLAB WITH EC CELL	Complete with conductivity cell 2301T , integrated temperature sensor, 1 m cable	50103072
COND 60 VIOLAB WITHOUT EC CELL	With accessories, without conductivity cell	50103082

COND 50 *Viola*lab

- Resolution 0,01 μ S
- Coloured backlit high definition LCD display
- Automatic and manual **temperature compensation**

Professional benchtop conductivity meter with **innovative backlit high definition coloured LCD display**, with possibility of brightness adjustment. Possibility to select the parameters to show on the display.

The **step by step guide** in setup and calibration allows a simple and immediate use of the device.

Automatic conductivity calibration up to 4 points (84; 147; 1413 μ S e 12,88; 111,8 mS) or 1 point custom.

Automatic resolution, reference temperature from 15 to 30 °C, and selectable cell constant (C= 0,1; 1; 10).

Indication of the calibrated points, with icons.

Measurement **stability indication**.

All operations are constantly monitored and shown to the operator by the **coloured LED** above the display and **self-diagnosis messages**.



Measuring range

Cond 0,1 μ S ...200 mS (0,01 μ S - automatic)

TDS: : 0,1 mg/l...200 g/l

Temperature: 0...+100,0 (0,1 °C)



Equipped with:

Electrode holder stand, conductivity standards and instructions manual.

Name	Description	P/N
COND 50 VIOLAB WITH EC CELL	Complete with conductivity cell 2301T , integrated temperature sensor, 1 m cable	50103002
COND 50 VIOLAB WITHOUT EC CELL	With accessories, without conductivity cell	50103012

Cond 70 *vio*

- Resolution 0,01 μ S
- Automatic and manual **temperature compensation**
- **Automatic calibration** on 4 standard points or 1 custom
- **Data logger** auto and manual , **up to 1000 savings in GLP**
- Coloured backlit high definition **LCD display**
- **GLP functions**

Professional conductivity meter with innovative **backlit high definition coloured LCD display**, suitable to work in any conditions, thanks also to the possibility to adjust automatically and manually contrast and brightness of the display.

Possibility to select the parameters you want to show.

The **step by step guide** in setup and calibration mode allows a simple and intuitive use of the device.

Automatic calibration of conductivity up to 4 points or 1 point custom defined by the user.

Adjustable reference temperature and selectable cell constant.

Indication with icons of the calibrated points.

Measurement **stability indicator**.

All operations and errors are constantly monitored and shown to the operator via the **coloured LED** above the display.

GLP function: Date and time, recall of calibration data and function **"Calibration due"**.

Data logger up to 1000 savings, manual and automatic, PC connection via **micro-USB**.

Data-Link + software available at www.xsinstruments.com.



Measuring range:

Cond: 0,1 μ S ... 200,0 mS (0,01 μ S - automatic)

TDS: 0,1 mg/l ... 200,0 g/l

Salinity: 0,1 ppm ... 100 ppt

Temperature: -10...+110,0 (0,1 °C)



Data Link+ Software

Equipped with:

Conductivity standards, USB cable, power supply, user manual and carrying case.

Name	Description	P/N
COND 70 VIO WITH CELL	Complete with conductivity cell 2301T with integrated temperature sensor . Cable 1 m	50110512
COND 70 VIO WITHOUT CELL	With accessories, without conductivity cell	50110522

Cond 7 Vio

- Resolution 0,01 μS
- Automatic and manual **temperature compensation**
- Coloured backlit high definition **LCD display**
- **Automatic calibration** on 4 standard points and 1 custom
- 3 selectable **cell constants**

Professional portable conductivity meter with **innovative high resolution color display** for excellent data display in all light conditions, thanks also to the possibility of adjusting display contrast and illumination.

Measurement of **Conductivity**, TDS, with **Temperature** display.

Online help in setup and calibration allows easy and immediate use of the device.

Automatic conductivity calibration up to 4 points or 1 user-defined point.

Adjustable reference temperatures (15...30 °C) and selectable cell constant (C= 0.1 - 1 - 10).

Indication of calibrated points with icons.

Measurement stability indicator.

All operations are constantly kept under control and signaled to the operator through the colored LED above the display and auto-diagnosis messages.

Measuring range:

Cond: 0,1 μS ... 200,0 mS (0,01 μS - automatic)

TDS: 0,1 mg/l ... 200,0 g/l

Temperature: 0 ... 100,0 (0,1 °C)



Cond



Cond 7 Vio Kit

Equipped with:

Conductivity standards, user manual and carrying case.

Name	Description	P/N
COND 7 VIO WITH CELL	Complete with conductivity cell 2301T with integrated temperature sensor. 1 m cable	50110412
COND 7 VIO WITHOUT CELL	With accessories, without conductivity cell	50110422

ACCESSORIES

CONDUCTIVITY CELLS

Name	Description	P/N
EPT 4 EC CELL	Cell in epoxy body C= 0.55, fixed cable, Multipin connector only for 80 PRO Series. Measuring range : 0.1 μ S...1 S, Temperature 0...+80 °C,	50004062
VP 1 EC CELL	Cell in glass body with platinum plates C=1, fixed cable 1 mt. with BNC plug. Measuring range: 10 μ S...10 mS – Temperature 0...80 °C	50003352
VPT 1 EC CELL	Cell in glass body with platinum plates C=1, with integrated temperature sensor. Fixed cable 1 mt., BNC + RCA Cinch plug. Measuring range: 10 μ S...100 mS – Temperature 0...80 °C	50003382
VPT 01 EC CELL	Steel and PVC cell, C=0,1, with integrated temperature sensor. Fixed cable 1 mt., BNC + RCA plug. Measuring range: 0,1 μ S...1 mS – Temperature 0...60 °C	50004012
VPT 10 EC CELL	Cell in glass body with platinum plates C=10, integrated temperature sensor, fixed cable 1 mt. BNC + RCA Cinch plug. Measuring range: 100 μ S...200 mS..	50004072
VPT 10 H EC CELL	Cell in glass body with platinum plates C=10, integrated temperature sensor, fixed cable 1 mt. BNC + RCA Cinch plug. Measuring range: 100 μ S...500 mS. Only for XS REVIO and COND 80 PRO	50003372
2301 T EC CELL	Cell in epoxy body C=1, with integrated temperature sensor. Fixed cable 1 mt. BNC+RCA cinch plug. Measuring range: 10 μ S...200 mS – Temperature 0...60 °C	50004002
2301 T / 5 EC CELL	Cell in epoxy body C=1, with integrated temperature sensor. Fixed cable 5 mt. BNC+RCA cinch plug. Measuring range: 10 μ S...200 mS – Temperature 0...60 °C	50004022
VPT SOIL EC CELL	Conductivity cell with integrated temperature sensor and penetration tip, C=1, for soil measurement, cable 1,5 m.Measuring range 10 μ S...50 mS	50003362
EPT 1 EC CELL	Cell in epoxy body C==1, with integrated temperature sensor. Fixed cable 1 m, BNC-Cinch. Measuring range 10 μ S...100 mS. For oily or viscous samples.	50004082

TEMPERATURE PROBE

Name	Description	P/N
NT 55 TEMPERATURE SENSOR	Temperature sensor NTC 30K Ω for liquids and air	50002012

BUFFER SOLUTIONS

With **certificate of analysis** downloadable from www.xsinstruments.com

○ SACHETS 25 ml

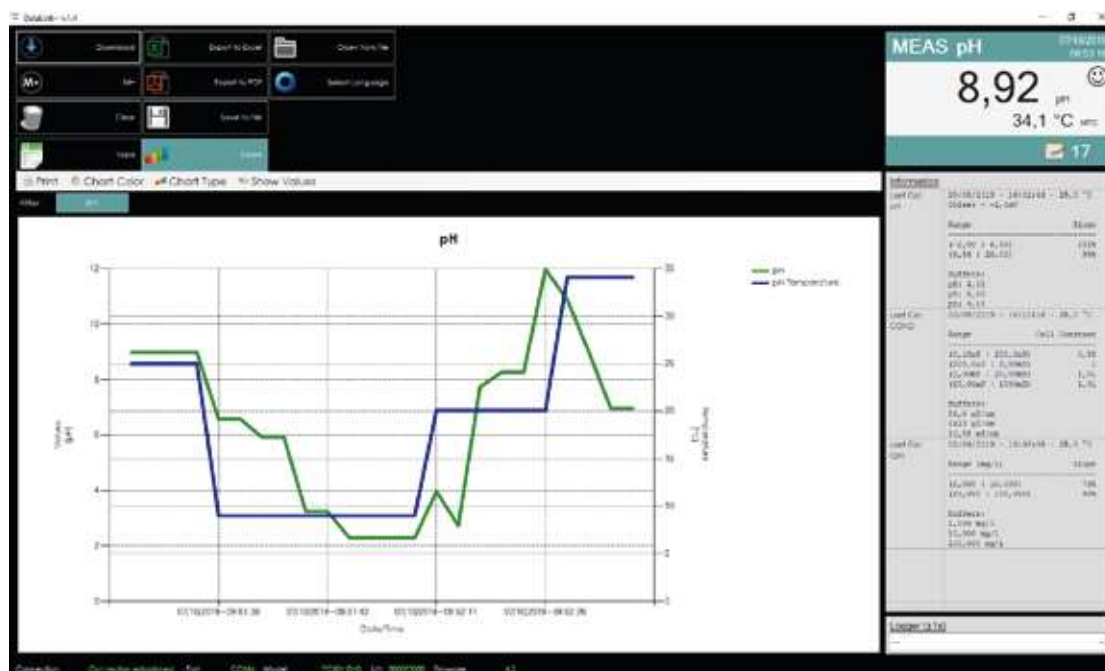
Name	Description	P/N
EC 1413 μS/cm (25°C)	Pack of 20 sachets, with certificate of analysis	51102053
EC 12880 μS/cm (25°C)	Pack of 20 sachets, with certificate of analysis	51102063
SET CAL COND	Includes 10 x EC 1.413 μ S and 10 x EC 12.880 μ S	51102223
COND REPLACEMENT	Includes 7 x EC 1.413 μ S, EC 12.880 μ S and 6 x deionized H2O	51102253
H2O	Pack of 20 sachets of deionized water	51102093

○ BOTTLE 500 ml , with calibration compartment

Name	Description	P/N
84 μS/cm (25°C)	N.I.S.T. Accuracy $\pm$ 1%	51100613
147 μS/cm (25°C)	N.I.S.T. Accuracy $\pm$ 1%	51100623
1413 μS/cm (25°C)	1278 μ S/cm (20°C) – N.I.S.T. Accuracy $\pm$ 1%	51100633
12.880 μS/cm (25°C)	11670 μ S/cm (20°C) – N.I.S.T. Accuracy $\pm$ 1%	51100643

Name	Description		P/N
NEW ECOSTIR STIRRER	Magnetic stirrer, adjustable speed, with magnetic bar and power supply.		22001953
ELECTRODE HOLDER MOD: 3900	Flexible electrode holder		50000112
PRINTER	External printer with normal paper for XS 8 / 80 SERIES XS VIOLAB 60 power supply and RS 232 cable		50001502
CASE IP67	IP 67 waterproof case for Vio portable instruments		50010972
SOFT CASE	Bag with adjustable shoulder strap in eco-sustainable material for Vio portable instruments		50010962
SUPPORT VIO - PORTABLE	Magnetic support for Vio portable instruments		50110252
POWER SUPPLY VIO - PORTABLE	Power supply and cable for XS Revio / 70 Vio		50110172
POWER SUPPLY VIOLAB - BENCHTOP	Power supply and cable for XS VioLab benchtop series		50001052

DATA LINK +



On the software are shown all the information about the instruments and calibrations, like slope and offset.

It is possible to view all saved data in graphic form, to see the trend, or in table form.

It is also possible to export data in Excel and in PDF.

On the top right corner the real time view allows to check measurement directly on the PC.

Multilanguage: English - Italian - French - German - Spanish - Portuguese.

Functions for the remote control of the instruments, like data saving and memory reset.

Software **Data Link +** available for free on our website www.xsinstruments.com.



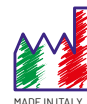
Brochures **XS Vio** and **XS VioLab** are available on our website www.xsinstruments.com

MULTIPARAMETERS



PORTABLE
INSTRUMENTS **5**
YEARS WARRANTY

BENCHTOP
INSTRUMENTS **3**
YEARS WARRANTY



COMPANY WITH
QUALITY MANAGEMENT SYSTEM
UNI EN ISO 9001:2015
CERTIFIED BY CERTIQUALITY



HOW TO CHOOSE

	Violab PC50	Violab PC 60	PC 8 PRO	PC 80 PRO
pH Resolution	0,01 pH	0,01 pH	0,001 pH	0,001 pH
ION	○	○	○	●
COND e TDS	●	●	●	●
Salinity	○	●	●	●
Resistivity	○	○	○	●
Ultra pure water compensation	○	○	○	●
Display	colour backlit LCD	colour backlit LCD	colour graphic	colour graphic
Analogic view	○	○	●	●
GLP Calibration	○	●	●	●
Calibration password	○	○	●	●
Calibrations points	3	3	5	5
Calibration due alarm	○	●	●	●
Electrode status indication	○	○	●	●
Data logger	○	●	●	●
PC / Printer connection	○	●	●	●
Multilanguage	○	○	●	●
Account manager + Audit trail	○	○	○	●
External keyboard	○	○	○	●

PC 80 PRO

- Resolution 0.1 / 0.01 / 0.001 pH - 0.01 μ S
- Automatic and manual **temperature compensation**
- Advanced user management** (4 levels, 15 profiles)
- Data logger**, 8000 data memory in GLP
- Menu Analysis for data tracking + Audit Trail**
- Customisable print templates**
- Multiview**



Digital benchtop multiparameter for advanced laboratory analysis.

Multiview display (up to 6 parameters simultaneously).

Automatic or manual 5-points pH calibration with automatic standard recognition.

ISE calibration from 2 to 5 points. Automatic or manual ORP calibration on 1 point.

Automatic EC calibration up to 1 to 4 points with recognition of standards and calculation of different cell constants + 1 manual point.

Automatic scale, automatic and manual temperature compensation (0...100.0 °C).

Reference temperature (15...30 °C), linear (0.00...10.00%) and **non-linear temperature coefficient for ultrapure water**.

Compatible with 4-rings and 2-rings cells, with indication of selected constant.

Calibration due warning and/or measurement block.

Alarm setting and display functions in analogue format, **"Stop-reading"**, **stability indication**, **self-diagnosis messages**.

Advanced management of Users (Admin, Manager, User, Guest) with different permissions.

Different data logger modes (Manual, Automatic, Min/Max, Delta value).

Analysis menu for complete editing of your measurements: you can enter all useful informations about the sample and test.

Customisable print templates. Multilanguage Setup Menu (Ita - Eng - Deu - Fra - Esp - Por).

Free **Data-Link+** software at www.xsinstruments.com for PC data management, including **Audit Trail**.

2 USB outputs for external keyboard and PC connection. RS232 port for printer connection.

Independently controlled magnetic stirrer (optional).

Measuring range:

pH: -2,000...20,000 (0,001 pH)

mV: -2000...+2000 (0,1 - 1 mV)

ORP: -2000...+2000 (0,1-1 mV)

ISE: 0.001...19999 ppm

Cond: 0,1 μ S ...1 S (0,01 μ S - automatic)

TDS: 0,1 mg/l...500,0 g/l

Salinity: 0,1 ppm...100,0 ppt

Resistivity: 1,00 Ω ...10,00 M Ω

Temperature: -30...130,0 °C (0,1 °C)

Equipped with:

S7/BNC cable, temperature probe NT 55, electrode holder, buffer solutions, USB cable and power supply.

Name	Description	P/N
PC 80 PRO DHS ELECTRODE + 4 RINGS	Complete with pH XS Standard DHS, EC cell EPT 4 (C=0,55) with integrated temperature sensor, magnetic stirrer with adjustable speed.	50104302
PC 80 PRO DHS ELECTRODE + 2 RINGS	Complete with pH XS Standard DHS, EC cell VPT 1 glass/platinum (C=1) with integrated temperature sensor, magnetic stirrer with adjustable speed.	50104232
PC 80 PRO ELECTRODE + 4 RINGS	Complete with pH XS Standard, EC cell EPT 4 (C=0,55) with integrated temperature sensor, magnetic stirrer with adjustable speed.	50104282
PC 80 PRO ELECTRODE + 2 RINGS	Complete with pH XS Standard, EC cell VPT 1 glass/platinum (C=1) with integrated temperature sensor, magnetic stirrer with adjustable speed.	50104242
PC 80 PRO 4 RINGS CELL	Without pH electrode, EC cell EPT 4 (C=0,55) with integrated temperature sensor, magnetic stirrer with adjustable speed.	50104292
PC 80 PRO 2 RINGS CELL	Without pH electrode, conductivity cell VPT 1 glass/platinum (C=1) with integrated temperature sensor, magnetic stirrer with adjustable speed.	50104252
PC 80+ PRO PHELECTRODE	With pH electrode XS Standard, without conductivity cell, magnetic stirrer with adjustable speed.	50104262
PC 80 PRO STIRRER	Without pH electrode, without conductivity cell, with magnetic stirrer with adjustable speed.	50104272
KEYBOARD	Soft external keyboard for XS 80 PRO Series	50001462
IQ-OQ MANUAL	Paper manual IQ-OQ for XS 80 PRO Series	50001472

PC 8 PRO

- Resolution 0,1 / 0,01 / 0,001 pH - 0,01 μ S
- Backlit coloured high-definition graphic display.
- Automatic and manual temperature compensation
- Data logger auto and manual, up to 1000 savings in GLP

Digital benchtop multiparameter.

Automatic pH calibration (5 values) on different standard buffer, or custom (2 values).

Automatic and manual 1-point ORP calibration.

Automatic calibration up to 4 conductivity standards (84, 1413 μ S, 12.88 mS, 111.8 mS) from 1 to 4 points with calculation of different cell constants or 1 point custom. Recall and printout of calibration data. Automatic scale, automatic and manual temperature compensation (0...100.0 °C).

Reference temperature (15...30 °C). Linear temperature coefficient (0.00...10.00%)

2-rings cell technology with selection and indication of constant (0.1 - 1.0 - 10).

Calibration due warning and/or measurement block.

Alarm setting and analogic view, "Stop-reading", stability indication, self-diagnosis messages

Security password for saved data and calibration management.

Data logger for up to 1000 data points in GLP with possibility of printing and data download to PC.

Multilanguage Setup Menu (Ita - Eng - Deu - Fra - Esp - Por).

Free Data-Link+ software at www.xsinstruments.com for PC data management.

USB output for PC connection. RS232 port for printer connection.

Independently controlled magnetic stirrer (optional).



Measuring range:

pH: -2,000...16,000 (0,001 pH)

mV: -2000...+2000 (0,1 mV - 1 mV)

ORP: -2000...+2000 (0,1 - 1 mV)

Cond: 0,1 μ S ...500,0 mS (0,01 - automatic)

TDS: 0,1 mg/l...200,0 g/l

Salinity: 0,1 ppm...100,0 ppt

Temperature: -20...120,0 °C (0,1 °C)

Equipped with:

S7/BNC cable, temperature probe NT 55, electrode holder, buffer solutions, USB cable and power supply.

Name	Description	P/N
PC 8 PRO STIRRER	Complete with pH XS Standard DHS, EC cell VPT 1 glass/platinum (C=1) with integrated temperature sensor, magnetic stirrer with adjustable speed.	50104132
PC 8 PRO STIRRER	Complete with pH XS Standard, EC cell VPT 1 glass/platinum (C=1) with integrated temperature sensor, magnetic stirrer with adjustable speed.	50104142
PC 8 PRO STIRRER	Without pH electrode, conductivity cell VPT 1 glass/platinum (C=1) with integrated temperature sensor, magnetic stirrer with adjustable speed.	50104152
IQ-00 MANUAL	Paper manual IQ-00 for XS 8 PRO Series	50001492

ACCESSORIES 8 / 80

Name	Description	P/N
PRINTER	External printer, normal paper with RS 232 cable	50001502
STIRRER	Magnetic stirrer with adjustable speed for 8 and 80 Series, complete with electrode holder and connecting cable	50001132

PC 60 *Viola*lab

- Resolution 0,1 / 0,01 pH - 0,01 μ S
- Automatic and manual **temperature compensation**
- **Data logger** auto and manual , up to 1000 savings in GLP
- PC/Printer connection
- DHS digital sensors management



Professional benchtop multiparameter with innovative **backlit high definition**

coloured LCD display, with possibility of brightness adjustment.

Management of DHS digital sensors.

Possibility to select the parameters to show on the display.

The **step by step guide** in setup and calibration allows a simple and immediate use of the device.

Automatic pH calibration with USA and NIST buffers, up to 3 points and 2 points defined by the user.

Automatic ORP calibration on 1 point.

Automatic conductivity calibration up to 4 points (84; 147; 1413 μ S e 12,88; 111,8 mS) or 1 point custom.

Automatic resolution, reference temperature from 15 to 30 °C, and selectable cell constant (C= 0,1; 1; 10).

Indication of the calibrated points, with icons.

Measurement **stability indication** and possibility to select 3 stability levels.

All operations are constantly monitored and shown to the operator by the **coloured LED** above the display and self-diagnosis messages.

GLP function: Date and time, recall of calibration data and function "Calibration due".

Data logger up to 1000 savings, manual and automatic, PC connection via **micro-USB**.

Data-Link + software available at www.xsinstruments.com.

RS 232 external **printer connection**.



Measuring range:

pH: -2,00...16,00 (0,01 pH)

mV: -1000...+1999 mV (0,1 - 1 mV)

Cond: 0,1 μ S ...200,0 mS (0,01 μ S - automatic)

TDS: 0,1 mg/l...200 g/l

Salinity: 0,1 ppm ... 100 ppt

Temperature: -10...110,0 °C (0,1 °C).



Equipped with:

Electrode holder stand, pH and conductivity buffer solutions, USB cable, power supply and user manual.

Name	Description	P/N
PC 60 VIOLAB DHS ELECTRODE	Complete with digital pH electrode XS 201 T DHS and conductivity cell 2301T (C=1), both with integrated temperature sensor	50103942
PC 60 VIOLAB ANALOG ELECTRODE	Complete with pH electrode XS 201 T and conductivity cell 2301T (C=1), both with integrated temperature sensor	50103952
PC 60 VIOLAB WITHOUT ELECTRODE	With conductivity cell 2301T (C=1) with integrated temperature sensor, accessories, cable S7-BNC and temperature sensor NT 55 Without pH electrode	50103972

PC 50 *Violab*

- Resolution 0,1 / 0,01 pH - 0,01 μ S
- Automatic and manual **temperature compensation**
- DHS digital sensors management

Professional benchtop multiparameter with innovative **backlit high definition coloured LCD display**, with possibility of brightness adjustment.

Possibility to select the parameters to show on the display.

The **step by step guide** in setup and calibration allows a simple and immediate use of the device.

Automatic pH calibration with USA and NIST buffers, up to 3 points and 2 points defined by the user.

Automatic ORP calibration on 1 point.

Automatic conductivity calibration up to 4 points (84; 147; 1413 μ S e 12,88; 111,8 mS) or 1 point custom.

Automatic resolution, reference temperature from 15 to 30 °C, and selectable cell constant (C= 0,1; 1; 10).

Indication of the calibrated points, with icons.

Measurement stability indication and possibility to select 3 stability levels.

All operations are constantly monitored and shown to the operator by the **coloured LED** above the display and self-diagnosis messages.



Measuring range:

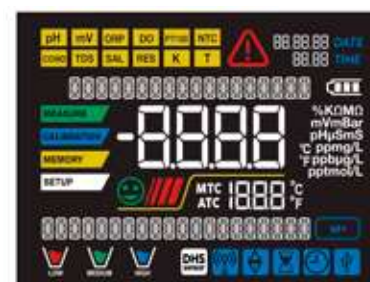
pH: 0,00...14,00 (0,01 pH)

mV: -1000...+1000 (1 mV)

Cond: 0,1 μ S ...200 mS (0,01 μ S - automatic)

TDS: 0,1 mg/l...200,0 g/l

Temperature: 0...100,0 °C (0,1 °C).



Coloured backlit
LCD display

Equipped with:

Electrode holder stand, pH and conductivity buffer solutions, power supply and user manual.

Name	Description	P/N
PC 50 VIOLAB DHS ELECTRODE + CELL	Complete with digital pH electrode XS 201 T DHS and conductivity cell 2301T (C=1), both with integrated temperature sensor	50103892
PC 50 VIOLAB ELECTRODE + CELL	Complete with pH electrode XS 201 T and conductivity cell 2301T (C=1), both with integrated temperature sensor	50103902
PC 50 VIOLAB WITHOUT ELECTRODE	With conductivity cell 2301T (C=1) with integrated temperature sensor, accessories, cable S7-BNC and temperature sensor NT 55 Without pH electrode	50103912

REVIO

WARRANTY
3
YEARS

- 3 Inputs: pH / ORP / ISE - Cond - 02
- Colour graphic display
- Data logger, manual and automatic, up to 10.000 savings in GLP

Professional portable multiparameter with triple power supply (battery, PC, electric network) with **innovative backlit colour display**, suitable to work excellently in any conditions, thanks to the automatic and manual adjustment of contrast and brightness.

Possibility to measure **pH, mV, ORP, ISE, Conductivity, TDS, Salinity, Resistivity, Dissolved Oxygen and Temperature**.

The **step by step** guide in setup and calibration mode allows a simple and intuitive use of the device.

Simultaneous display of multiple parameters defined by the user.

Automatic pH calibration with USA and NIST buffers up to 5 points and 5 points defined by the user.

Automatic ORP calibration in 1 point.

Automatic calibration of conductivity up to 4 points or 1 point defined by the user.

Adjustable reference temperature and selectable cell constant.

Automatic calibration up to 2 points (0% - 100%).

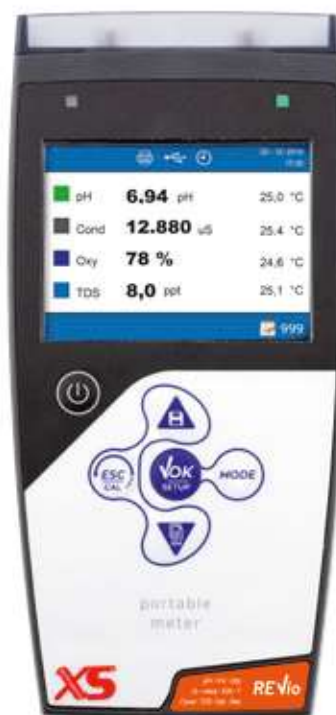
Indication with icons of the calibrated points.

GLP functions: Date and time, recall of calibration data and setting of calibration deadline.

Manual and automatic data logger with possibility to download data to PC via micro-USB.

Data Link+ software available to download for free at www.xsinstruments.com.

Stability indicator of measurement and possibility to select 3 stability levels. All operations are constantly monitored and reported to the user through the **coloured LED** above the display and the self-diagnosis messages.



XS Revio
connectors

Measuring range

pH: -2,000...20,000 (0,001 pH)

mV: -2000...+2000 (0,1 - 1 mV)

Orp: -2000...+2000 (0,1 - 1 mV)

ISE: 0.001...19999 ppm

Cond: 0,1 µS ...1000 mS (0,1 µS - automatic)

TDS: 0,1 mg/l...500,0 g/l

Salinity: 0,1 ppm ... 100 ppt

Resistivity: 1 Ω ...10 MΩ

DO: 0,0...50 mg/l (0,01 - 0,1 mg/l)

Saturation: 0,0...400 % (0,1 %)

Barometric pressure: 300...1100 mbar (1 mbar)

Temperature: -30...130,0 °C (0,1 °C)

Equipped with:

Field support with 3 holes for electrodes, buffer solutions, USB cable, power supply, instructions for use and carrying case



MODELS

Name	Description	P/N
REVIO DHS KIT	Complete with digital pH electrode 201 T DHS , conductivity cell 2301 T and polarographic sensor , with integrated temperature sensor and fixed cable 3m, in carrying case.	50110952
REVIO KIT IN CARRYING CASE	Complete with pH electrode 201 T , conductivity cell 2301T and polarographic sensor , with integrated temperature sensor and fixed cable 3m, in carrying case.	50110912
REVIO KIT IN SOFT CASE	Complete with pH electrode 201 T , conductivity cell 2301T and polarographic sensor , with integrated temperature sensor and fixed cable 3m, in soft bag.	50110982
REVIO pH ELECTRODE + OXY	Complete with electrode XS 201 T and polarographic sensor , both with integrated temperature sensor and fixed cable 3m, in carrying case.	50110922
REVIO COND + OXY	Complete with conductivity cell 2301T and polarographic sensor , both with integrated temperature sensor and fixed cable 3m, cable S7-BNC and NT55 3m, in carrying case.	50110942
REVIO ONLY INSTRUMENT	Instrument in carrying case with NT55 probe with cable 3m, cable S7-BNC, and accessories	50110932
NEW REVIO ELECTRODE + CELL	Complete with pH electrode 201 T , conductivity cell 2301T , with integrated temperature sensor and fixed cable 3m, in carrying case.	50110992

ACCESSORIES

ELECTRODES AND SPARE PARTS

Name	Description	P/N
201 T - DHS pH ELECTRODE - 3 m	Digital pH electrode combined with DHS technology with integrated temperature sensor. Gel filling with porous diaphragm. Maintenance-free. Fixed cable 3m. pH 0...14, temperature 0...60 °C . Dimensions (L x Ø) mm 120x12	32200153
201 T - ATC pH ELECTRODE - 3 m	Plastic body pH electrode with temperature sensor for general applications. Gel filling with porous separator Maintenance-free. Fixed cable 3 m. pH 0...14, temperature 0...60 °C . Dimensions (L x Ø) mm 120x12	50002072
2301 T EC CELL - 3 m	Conductivity cell C=1 with built-in temperature sensor, epoxy body, cable 3 m. Working range: 10µS...200 mS	50004092
D07 / 3mt OXY SENSOR - 3 m	Polarographic sensor , cable 3 m, 2 replacement membranes, refill solution (30ml)	50010242
REDOX REDOX SENSOR - 3 m	Combined Redox electrode with plastic body for general applications. Fixed cable 3 m with BNC connector. Gel filling with porous separator. Maintenance-free. Working range: ± 1.000 mV, temperature 0...60 °C	51004132
NT 55 T SENSOR - 3 m	Temperature probe NTC 30 KΩ, cable 3 m, for liquids and air	50002082
MEMBRANE	Kit 2 replacement membranes for sensor D07/3MT	50010252
ELECTROLYTE	Refill solution for sensor D07/3MT (30ml)	50010262
0% STANDARD	Zero Oxygen standard - 1 bottle	50010292
0% STANDARD	Zero Oxygen standard - 5 bottles pack	50010272
POWER SUPPLY	Power supply and cable for XS Revio / 70 Vio	50110172
SUPPORT	Magnetic Support for Vio portable instruments	50110252

PC 70 Vio

- Resolution 0,1 / 0,01 pH - 0,01 μ S
- Automatic and manual **temperature compensation**
- **Data logger** auto and manual , up to 1000 savings in GLP
- GLP function
- DHS digital sensors management.

Professional portable multiparameter with **innovative high-resolution colour display**, suitable to work in any conditions, thanks to the automatic and manual brightness adjustment.

Possibility to select the parameters you want to show.

The **step by step guide** in setup and calibration mode allows a simple and intuitive use of the device.

Automatic pH calibration with USA and NIST buffers up to 3 points and 2 points custom defined by the user.

Automatic ORP calibration in 1 point.

Automatic calibration of conductivity up to 4 points or 1 point custom defined by the user.

Adjustable reference temperature and selectable cell constant.

Indication with icons of the calibrated points.

Measurement **stability indicator** and possibility of selecting 3 levels of stability.

All operations and errors are constantly monitored and shown to the operator via the **coloured LED** above the display.

GLP function: Date and time, recall of calibration data and function "Calibration due".

Data logger up to 1000 savings, manual and automatic, PC connection via micro-USB.

Data-Link + software available at www.xsinstruments.com.



PC 70 Vio kit

Measuring range:

pH: -2,00...16,00 (0,01 pH)

mV: -1000...+1900 (0,1 mV / 1 mV)

Cond: 0,1 μ S ...200,0 mS (0,01 μ S - automatic)

TDS: 0,1 mg/l ... 200 g/l

Salinity: 0,1 ppm ... 100 ppt

Temperature: -10...110,0 °C (0,1 °C)

Equipped with:

Field support with 3 holes for electrodes, coloured buffer solutions of pH and conductivity, USB cable and power supply, instructions for use and plastic carrying case.

Name	Description	P/N
PC 70 VIO DHS ELECTRODE + CELL	With digital pH electrode 201 T DHS and conductivity cell 2301T, both with integrated temperature sensor and cable 1 m	50110872
PC 70 VIO ELECTRODE + EC CELL	With pH electrode 201 T and conductivity cell 2301T, both with integrated temperature sensor and cable 1 m	50110812
PC 70 VIO ONLY EC CELL	Without pH electrode. With conductivity cell 2301 T, temperature probe NT55, S7-BNC cable and accessories	50110822
PC 70 VIO WITHOUT SENSORS	Without ssensors, with temperature probe NT55, S7-BNC cable and accessories	50110842

PC 7 $\checkmark$ io

- Resolution 0,1 / 0,01 pH - 0,01 μ S
- Automatic and manual **temperature compensation**
- DHS digital sensors management.

Professional portable multiparameter with **innovative high-resolution color display**, suitable to work in any conditions, thanks also to the possibility to adjust manually contrast and brightness of the display.

Possibility to select the parameters you want to show.

The **step by step guide** in setup and calibration mode allows a simple and intuitive use of the device.

Automatic pH calibration with USA and NIST buffers up to 3 points and 2 points custom defined by the user.

Automatic ORP calibration in 1 point.

Automatic calibration of conductivity up to 4 points and 1 point custom defined by the user.

Adjustable reference temperature and selectable cell constant.

Indication with icons of the calibrated points.

Measurement **stability indicator** and possibility of selecting 3 levels of stability.

All operations and errors are constantly monitored and shown to the operator via the **coloured LED** above the display.



Protected connectors

Measuring range:

pH: 0,00...14,00 (0,01 pH)

mV: -1000...+1000 (1 mV)

Cond: 0,1 μ S ...200 mS (0,01 μ S - automatic)

TDS: 0,1 mg/l ... 200 g/l

Temperature: 0...100,0 °C (0,1 °C)

Equipped with:

Field support with 3 holes for electrodes, coloured buffer solutions of pH and conductivity, instructions manual and plastic carrying case.

Name	Description	P/N
PC 7 VIO DHS ELECTRODE + CELL	With digital pH electrode 201 T DHS and conductivity cell 2301T, both with integrated temperature sensor and cable 1 m	50110752
PC 7 VIO ELECTRODE + EC CELL	With pH electrode 201 T and conductivity cell 2301T, both with integrated temperature sensor and cable 1 m	50110712
PC 7 VIO ONLY EC CELL	Without pH electrode. With conductivity cell 2301 T, temperature probe NT55, S7-BNC cable and accessories	50110722
PC 7 VIO WITHOUT SENSORS	Without ssensors, with temperature probe NT55, S7-BNC cable and accessories	50110742

ACCESSORIES PC

PH ELECTRODE

Name	Description	P/N
XS STANDARD T DHS DIGITAL pH ELECTRODE	Digital pH electrode combined with DHS technology. Glass body and cylindrical membrane for general applications. Refillable KCl 3M electrolyte. Excellent chemical resistance and easy to clean. Included with serial number and certificate. Dimensions (LxØ) mm 120x12 - pH 0...14 - Temperature -10...100 °C	32200123
XS STANDARD PH ELECTRODE	pH Electrode combined with S7 head. Glass body, for general use. Refillable KCl 3M Electrolyte. Excellent chemical resistance and easy to clean. With serial number and certificate. Dimensions (LxØ mm) 120x12 - pH 0...14 - Temperature -10...100 °C.	32200363
XS POLYMER S7	Combined pH Electrode S7 head . Glass Body for general use. Cylindrical membrane. Polymer filling, open pore. For a fast response with high accuracy in samples that might contaminate normal diaphragms. Maintenance-free. Dimensions (LxØ) mm 120x12 - pH 0...14 - Temperature -10...80 °C	32200223
201 T DHS DIGITAL pH ELECTRODE	Digital pH electrode combined with DHS technology. Plastic body for general use. Polymer Filling, ceramic diaphragm. Maintenance-free. Dimensions (LxØ) mm 120x12. pH 0...14 - Temperature 0...60 °C	32200103
201 T PH ELECTRODE	Combined pH electrode with NTC temperature sensor integrated. Plastic body for general applications. Polymer filling with ceramic diaphragm. Maintenance-free. Fixed cable 1 mt., BNC + RCA plug. Dimensions (LxØ) mm 120x12 - pH 0...14 - Temperature 0...60 °C	50002002
201 T / 5 PH ELECTRODE	Combined pH electrode with NTC temperature sensor integrated. Plastic body for general applications. Polymer filling with ceramic diaphragm. Maintenance-free. Fixed cable 5 mt., BNC + RCA plug. Dimensions (LxØ) mm 120x12 - pH 0...14 - Temperature 0...60 °C	50002022

CONNECTION CABLE

Connecting cable with **S7 head** and BNC plug for XS meters.

Diameter 3 mm, length 1 m.

Name	Description	P/N
BNC	Cable S7-BNC 	33551733

CONDUCTIVITY CELLS

Name	Description	P/N
VP 1 EC CELL	Cell in glass body with platinum plates C=1, fixed cable 1 mt. with BNC plug. Measuring range: 10µS...10 mS - Temperature 0...80 °C	50004062
VPT 1 EC CELL	Cell in glass body with platinum plates C=1, with integrated temperature sensor. Fixed cable 1 mt., BNC + RCA Cinch plug. Measuring range: 10µS...100 mS - Temperature 0...80 °C	50003352
VPT 01 EC CELL	Steel and PVC cell, C=0,1, with integrated temperature sensor. Fixed cable 1 mt., BNC + RCA plug. Measuring range: 0,1µS...1 mS - Temperature 0...60 °C	50004012
VPT 10 EC CELL	Cell in glass body with platinum plates C=10, integrated temperature sensor, fixed cable 1 mt. BNC + RCA Cinch plug. Measuring range: 100µS...200 mS	50004072
VPT 10 H EC CELL	Cell in glass body with platinum plates C=10, integrated temperature sensor, fixed cable 1 mt. BNC + RCA Cinch plug. Measuring range: 100µS...500 mS. Only for XS REVIO an XS COND 80 PRO	50003372
2301 T EC CELL	Cell in epoxy body C=1, with integrated temperature sensor. Fixed cable 1 mt. BNC+RCA cinch plug. Measuring range: 10µS...200 mS - Temperature 0...60 °C	50004002
2301 T / 5 EC CELL	Cell in epoxy body C=1, with integrated temperature sensor. Fixed cable 5 mt. BNC+RCA cinch plug. Measuring range: 10µS...200 mS - Temperature 0...60 °C	50004022

TEMPERATURE PROBES

Name	Description	P/N
NT 55 TEMPERATURE PROBE	Temperature probe NTC 30 KΩ for liquids and air	50002012
NT 7P TEMPERATURE PROBE	Temperature probe NTC 30 KΩ, penetration tip, diameter 4 mm, fixed cable 1 m	50011122
NT55 + CABLE KIT	Kit Temperature probe NT 55 + cable S7/BNC, 1 m.	50002032

REDOX SENSORS

Name	Description	P/N
REDOX SENSOR	Electrode in epoxy body. Gel filling, double junction, maintenance-free. Ceramic diaphragm. Cable S7-BNC, 1 m. Dimensions (LxØ) mm 120X12 Measuring range: ± 1.000 mV, temperature 0...60 °C	32105302
REDOX / 5 SENSOR	Electrode in epoxy body. Gel filling, double junction, maintenance-free. Ceramic diaphragm. Cable S7-BNC, 5 m. Dimensions (LxØ) mm 120X12 Measuring range: ± 1.000 mV, temperature 0...60 °C	32105102

CALIBRATION KIT - SACHETS BUFFER SOLUTIONS

Name	Description	P/N
SET CAL pH BIS	It contains 10 x pH 4.01 and 10 x pH 7.00, 25 ml	51102203
SET CAL pH TRIS	It contains 7 x pH 4.01, 7 x pH 7.00, 6 x pH 10.01, 25 ml	51102213
SET CAL COND	It contains 10 x EC 1.413 µS and 10 x EC 12.880 µS, 25 ml	51102223
SET CAL PC	It contains 7 x pH 4.01 and 7.00, 6 x EC 1.413 µS, 25 ml	51102233
REPLACEMENT pH	It contains 6 x pH 4.01, pH 7.00, H2O, and 2 x Storage, 25 ml	51102243
REPLACEMENT COND	It contains 7 x EC 1.413 µS, EC 12.880 µS and 6 x deionized H2O, 25 ml	51102253
REPLACEMENT PC	It contains 5 x pH 4.01, pH 7.00 and 1.413 µS, 3 x H2O, 25 ml and 2 x Storage 10 ml	51102263
STORAGE	Storage solution for electrodes 55 ml	32208043
STORAGE	Storage solution for electrodes 500 ml	32208053

ACCESSORIES

Name	Description	P/N
ECOSTIR MAGNETIC STIRRER	Magnetic stirrer, adjustable speed, with magnetic bar and power supply.	22001953
HOLDER MOD: 3900	Flexible electrode holder	50000112
PRINTER	External printer with normal paper for 60 / 8 PRO / 80 PRO Series, power supply and RS 232 cable	50001502
CASE IP67	IP 67 waterproof case for Vio portable instruments	50010972
SOFT CASE	Bag with adjustable shoulder strap in eco-sustainable material for Vio portable instruments	50010962
POWER SUPPLY	Power supply and cable for XS Revio / 70 Vio	50110172
SUPPORT	Magnetic Support for Vio portable instruments	50110252

Oxy 70 Vio

- High accuracy with **low oxygen level**
- High resolution backlit coloured **LCD Display**
- **Automatic compensation** of temperature and pressure
- **Data logger auto and manual, up to 1000 savings** in GLP
- **GLP with date and time of the last calibration.**
- **Auto calibration DO 0%-100%**
- **Optical sensor maintenance free**

Professional **portable oxymeter with innovative backlit high-resolution colour display** for excellent data view in all conditions thanks to the possibility of automatically and manually adjusting the contrast and lighting of the display.

The online guide in setup and calibration mode allows a simple and intuitive use of the device.

Automatic calibration up to two points (0% - 100%).

Automatic compensation of temperature and barometric pressure, manual salinity.

Measurement stability indicator and possibility to select 3 stability levels.

All operations are constantly monitored and reported to the operator via the coloured LED above the display and the self-diagnosis messages.

GLP function: Date and time, recall of calibration data and function "Calibration due".

Data logger up to 1000 savings, manual and automatic, PC connection via micro-USB.

Data-Link + software available at www.xsinstruments.com.

Measuring range:

DO: 0,0...50 mg/l (0,01 - 0,1 mg/l)

Saturation: 0,0...400 % (0,1 - 1 %)

Barometric pressure: 300...1100 mbar (1 mbar)

Temperature: -10...+110,0 °C

Equipped with:

0 Oxygen standard, USB cable and power supply, user manual and plastic carrying case.



Optical sensor

Name	Description	P/N
OXY 70 VIO 2 m	Complete with optical sensor OXY LD070, with integrated temperature sensor. Cable length: 2 m	50110302
OXY 70 VIO 10 m	Complete with optical sensor OXY LD070, with integrated temperature sensor. Cable length: 10 m	50110312
LD070 / 2m SENSOR	Optical sensor for OXY 70 Vio, with integrated temperature sensor. Cable 2 m	50010342
LD070 / 10m SENSOR	Optical sensor for OXY 70 Vio, with integrated temperature sensor. Cable 10 m	50010352
MEMBRANE	Replacement membrane for LD070	50010362
ARMOR STEEL	Steel armor for LD070 / 10 mt	50010372

Oxy 7 Vio

- High resolution backlit coloured LCD Display
- Automatic compensation of temperature and pressure
- Auto calibration DO 0%-100%
- Automatic resolution of the measure
- Polarographic sensor
- Polarization timer

Professional portable oxymeter with **innovative backlit high-resolution colour display** for excellent data view in all conditions thanks to the possibility of manually adjusting the contrast and brightness of the display.

The **step by step guide** in setup and calibration mode allows a simple and intuitive use of the device.

Automatic calibration up to two points (0% - 100%).

Automatic compensation of temperature and barometric pressure, manual salinity.

Measurement **stability indicator** and possibility to select 3 stability levels.

All operations are constantly monitored and reported to the operator via the **coloured LED** above the display and the self-diagnosis messages.

Measuring range:

DO: 0,0...50 mg/l (0,01 - 0,1 mg/l)

Saturation: 0,0...400 % (0,1 - 1 %)

Barometric pressure: 300...1100 mbar (1 mbar)

Temperature: 0...+100,0 °C

Equipped with:

0 Oxygen standard, replacement membrane, user manual and plastic carrying case.



Polarographic sensor

Name	Description	P/N
OXY 7 VIO COMPLETE	Complete with polarographic sensor D07/3M with integrated temperature sensor, cable length 3 m, 1 replacement membranes, refill solution (30ml), 0 Oxygen standard, user manual and carrying case	50110202
OXY 7 VIO ECO	Only instrument without oxygen sensor, in Ecopack with user manual.	50110212
D07 / 3m SENSOR	Polarographic sensor, with integrated temperature sensor. Cable 3m, 2 replacements membranes, refill solution (30ml)	50010242
MEMBRANE	Kit 2 replacement membranes for D07/3M	50010252
ELECTROLYTE	Refill solution for D07/3M (30 ml)	50010262
ARMOR PPE	PPE armor for D07/3M	50010282
0% STANDARD	0 Oxygen standard - 1 bottle	50010292
0% STANDARD	0 Oxygen standard - 5 bottles pack	50010272

ACCESSORIES

Name	Description		P/N
IP67 CASE	Waterproof carrying case IP 67 for portable meters Vio		50010972
SOFT CASE	Soft case with adjustable shoulder strap in eco-friendly material for portable meters Vio		50010962
POWER SUPPLY	Power supply and cable for XS REVIO / 70 Vio		50110172
SUPPORT	Magnetical support for VIO portable instruments		50110252



ELECTRODES



WARRANTY
6
MONTHS



DHS
Digital High Sensor



QUALITY REPORT

The models XS Standard and XS Flow are supplied with an individual quality report, referring to the electrode serial number on the internal label for proper traceability according to GLP standards of your calibration and pH measurements.



QUALITY TEST REPORT

Model	Electrode Type: <i>Elektrodentyp / Elettrodo</i>	STANDARD
	Product number: <i>Produktnummer / Codice prodotto</i>	32200373
	Serial number: <i>Seriennummer / Numero seriale</i>	0009
Batch	Batch number: <i>Chargennummer / Numero di lotto</i>	444
	Reading in pH 7 buffer ($0 \pm 20\text{mV}$):* <i>Lesen im pH 7 / Lettura in pH 7*</i>	-5 mV
Test results	Reading in pH 4 buffer ($174 \pm 20\text{mV}$):* <i>Lesen im pH 4 / Lettura in pH 4*</i>	169 mV
	Measuring range: <i>Messbereich / Range di misura</i>	0...14 pH
Technical features	Temperature range: <i>Temperaturbereich / Range di temperatura</i>	-10...80 °C
	Temperature sensor: <i>Temperatursensor / Sensore di temperatura</i>	
	Reference electrolyte: <i>Bezugselektrolyt / Elettrolita di riferimento</i>	KCl 3M
	* Measurements are performed in Certified Reference Materials. * Die Messungen werden in zertifizierten Referenzmaterialien durchgeführt. * Le misurazioni sono eseguite in materiali di riferimento certificati.	
Date	A change of the measurement values above during storage and use is a normal behavior of the electrochemical sensors. Eine Änderung der Messwerte oberhalb während der Lagerung und der Verwendung ist ein normales Verhalten der elektrochemischen Sensoren. Una variazione dei valori di misura di cui sopra, durante la conservazione e l'uso, è un comportamento normale dei sensori elettrochimici.	
	Passed Quality Control <i>Bestanden Qualitätskontrolle / Controllo Qualità Effettuato</i>	16/02/2023

This document is generated electronically and doesn't require any signature.
Dieses Dokument ist elektronisch erzeugt und erfordert keine Unterschrift erforderlich.
Questo documento è generato elettronicamente e non richiede alcuna firma.

HOW TO CHOOSE THE RIGHT ELECTRODE

	GEL	POLYMER	POLYMER TIP	STANDARD	201T / POLYMER PLAST	STANDARD HA	FLAT	STANDARD HF	FOOD	2 PORE SLIM	2 PORE	2 PORE F	FOOD SLIM	SEMIMICRO	MICRO	MICRO P	MICRO SPECIAL	FLOW
Waste water		●	●		●	●												●
Deionized water									●									●
Tap water	●	●	●	●	●				●									●
Food									●	●	●	●	●					
Butter									●	●	●	●	●					
Samples with protein		●	●						●		●		●			●		
Alkali samples						●												
High temperature samples				●		●			●									
Samples in tube for NMR																	●	
Small volume samples							●								●	●	●	
Samples with Hydrofluoric acid								●										
Viscous samples		●	●						●									●
Cosmetics		●	●	●		●			●									●
Cream		●	●						●									●
Detergents	●	●	●	●	●	●			●									●
Aqueous emulsions		●	●	●					●									●
Cheese										●	●	●	●					
Fruit and vegetables										●	●	●	●					
Milk		●	●						●	●	●	●	●					
Mayonnaise									●		●							●
Marmalade		●	●						●		●							●
Bread and pasta			●						●	●	●	●	●					
Leather							●											
Brine	●	●	●	●	●				●									●
Soap		●	●	●					●									●
Samples with low ionic strenght																		●
Aqueous suspensions		●	●	●					●									●
Semi Aqueous suspensions									●									●
Fruit juice		●	●	●					●									●
Surfaces							●											
TRIS swab				●														●
Tip			●							●	●	●	●					●
Titulation				●					●									●
Non Aqueous titolation																		●
Galvanic treatment		●	●			●												●
Water-based paints		●	●	●					●									●
Paints				●					●									●
Wine		●	●	●					●									●
Yogurt		●	●						●	●	●	●	●					●

DHS Electrodes

Digital High Sensor



Intelligent Sensor management

Digital High Sensors are the new pH sensors with internal chip, that store parameters, date of last calibration, model and production batch of the electrode. After connecting the pH DHS sensor to the instrument, with the same technology, all the data stored in the sensor chip are automatically transferred to the instrument and shown on the display.

After a new calibration of the DHS electrode, the data are automatically stored in the electrode chip. If we move this electrode to another DHS-enabled instrument, we can start working immediately and with extreme security as the data from the last calibration will automatically be transferred and used for pH measurements.

Our DHS electrodes have integrated temperature sensor, fixed cable with BNC and RCA connectors and work without an internal battery, this allows to store them as normal pH electrode and can be connected to any instrument with BNC and RCA connection.



Name	Description	P/N
201 T DHS DIGITAL pH ELECTRODE	Digital pH electrode combined with DHS technology. Plastic body for general use. Gel Filling, ceramic diaphragm. Maintenance-free. Dimensions (LxØ) mm 120x12. pH 0...14 - Temperature 0...60 °C	32200103



Name	Description	P/N
STANDARD T DHS DIGITAL pH ELECTRODE	Digital pH electrode combined with DHS technology. Glass body and cylindrical membrane for general applications. Refillable KCl 3M electrolyte. Excellent chemical resistance and easy to clean. Included with serial number and certificate. Dimensions (LxØ) mm 120x12 - pH 0...14 Temperature -10...100 °C	32200123



Name	Description	P/N
FLOW T DHS DIGITAL pH ELECTRODE	Digital pH electrode combined with DHS technology. Glass body. Refillable KCl 3M electrolyte. With Teflon sleeve diaphragm for measurements in suspensions and samples with low conductivity. With serial number and certificate. Dimensions (LxØ) mm 120x12. pH 0...14 Temperature -10...+80 °C	32200133



Name	Description	P/N
2 PORE T DHS DIGITAL pH ELECTRODE	Digital pH electrode combined with DHS technology. Glass Body. Filled with polymer, maintenance-free. Ideal for meats and cheese samples. Dimensions tip (LxØ) mm 35x6 - pH 0...14, Temperature 0...60 °C	32200113



Name	Description	P/N
2 PORE F T DHS DIGITAL pH ELECTRODE	Digital pH electrode combined with DHS technology. Plastic body (PEEK) and glass membrane. Polymer filling, maintenance-free. Ideal for meat and cheese samples. Dimensions tip (LxØ) mm 35x6 - pH 0...14, Temperature 0...60 °C	32200143

Laboratory electrodes

A very famous Swiss manufacturer developed a complete line of laboratory pH, ORP and conductivity electrodes with glass and plastic body. XS Sensors are available with S7 head or fixed cable with BNC or DIN connector plug. For food applications many models are equipped with temperature sensor included for a fast temperature compensation. Some models have internal serial number and quality certificate to work in accordance with GLP rules



Name	Description		P/N
STANDARD S7	pH Electrode combined with S7 head. Glass body, for general use. Refillable KCl 3M Electrolyte. Excellent chemical resistance and easy to clean. With serial number and certificate. Dimensions (LxØ mm) 120x 12 - pH 0...14 Temperature -10...100 °C.		32200363
STANDARD BNC	With fixed cable 1 mt - BNC connector		32200263
STANDARD DIN	With fixed cable 1 mt - DIN connector		32200273
STANDARD T BNC + RCA	With temperature sensor NTC 30 KΩ, fixed cable BNC+RCA Cinch		32200473
STANDARD T DIN + BANANA	With temperature sensor NTC 30 KΩ, fixed cable DIN+banana 4 mm		32200463
G 214 BNC + BANANA	With temperature probe PT 1000, fixed cable BNC+banana 4 mm Without serial number and certificate.		32200813



Name	Description		P/N
STANDARD HA S7	pH electrode combined for minimal alkali error , S7 head. Glass body and cylindrical membrane. Refillable KCl 3M electrolyte. Excellent chemical resistance and easy to clean. With serial number and certificate. Dimensions (LxØ mm) 120x 12 - pH 0...14 Temperature -10...100 °C.		32200423



Name	Description		P/N
STANDARD HF S7	Combined pH electrode, S7 head. Glass body. With special membrane for measurements in samples containing hydrofluoric acid (0.01 M / 200 mg/l at 20 °C). Refillable KCl 3M electrolyte. Excellent chemical resistance and easy to clean. Dimensions (LxØ mm) 120x 12 - pH 0...14 Temperature -10...100 °C.		32200433



Name	Description	P/N
GEL S7	Combined pH electrode, S7 head. Body in glass for general applications. Cylindrical membrane. Gel filled, maintenance-free. Dimensions (LxØ) mm 120x12 - pH 0...14 Temperature -10...60 °C	32200203



Name	Description	P/N
POLYMER S7	Combined pH Electrode S7 head. Glass Body for general use. Cylindrical membrane. Polymer filled, open pore. For a fast response with high accuracy in samples that might contaminate normal diaphragms. Maintenance-free. Dimensions (LxØ) mm 120x12 - pH 0...14 - Temperature -10...80 °C	32200223



Name	Description	P/N
POLYMER TIP S7	Combined pH electrode with tipped membrane for pH in the soil. S7 head. Glass body. Polymer filled, two open pores. For a fast response with high accuracy in samples may contaminate normal diaphragms. Maintenance-free. Dimensions (LxØ) mm 120x12 - pH 0...14 - Temperature -10...80 °C	32200443



Name	Description	P/N
FLOW S7	Combined pH electrode, S7 screw head. Glass body. Refillable KCl 3M electrolyte. With Teflon sleeve diaphragm for measurements in viscous samples with low conductivity. With serial number and certificate. Dimensions (LxØ) mm 120x12 - pH 0...14 - Temperature -10...80 °C	32200373
FLOW T BNC	With integrated temperature sensor NTC 30 KΩ fixed cable 1 mt lenght BNC+RCA Cinch	32200723
FLOW T DIN	With integrated temperature sensor PT 1000 fixed cable 1 mt lenght DIN+banana 4 mm	32200733
G 221 T BNC + BANANA	With integrated temperature sensor PT 1000 fixed cable 1 mt lenght BNC+banana 4 mm Without serial number and certificate.	32200863



Name	Description	P/N
FLAT S7	Combined pH electrode, S7 head. Glass Body. Polymer filled. With flat membrane for surface measurements. Dimensions (LxØ) mm 120x12 - pH 0...14 - Temperature 0...60 °C	32200413



Name	Description	P/N
SEMI MICRO S7	Combined pH electrode, S7 head. Glass body "micro 6". Refillable KCl 3M electrolyte. Suitable for measurements in test tubes. Dimensions tip (LxØ) mm 100 x 6 - pH 0...14 - Temperature 0...100 °C	32200383



Name	Description	P/N
MICRO S7	Combined pH electrode, S7 head. Glass body "micro 3". Refillable KCl 3M electrolyte. For small volume of samples <2 ml. Dimensions tip (LxØ) mm 60 x 3 - pH 0...14 - Temperature 0...100 °C	32200213



Name	Description	P/N
MICRO P S7	Combined pH electrode, S7 head. Glass body "micro 3". Refillable Glycerin KCl electrolyte. Suitable for small volumes in microbiological and biochemical applications. Dimensions tip (LxØ) mm 60 x 3 - pH 0...14 - Temperature 0...100 °C	32200253



Name	Description	P/N
MICRO SPECIAL S7	Combined pH electrode, S7 head, Glass body "micro 3". Refillable KCl 3M electrolyte. For small volume of samples <2 ml. Ideal for NMR tubes. Dimensions tip (LxØ) mm 180x3 - pH 0...14 - Temperature 0...100 °C	32200453

Electrodes for food applications



Name	Description	p/n
FOOD S7	Combined pH electrode with 3 diaphragm, S7 head. Glass body. Refillable Glycerin KCl electrolyte. For dairy and food applications. Dimensions (LxØ) mm 120x12 - pH 0...14 - Temperature -10...100 °C	32200393
FOOD T BNC + RCA	With NTC temperature sensor, 1 m fixed cable ,plug BNC+RCA	32200753



Name	Description	p/n
FOOD SLIM S7	Combined pH electrode, S7 head. Glass body. Refillable Glycerin KCl for sample containing proteins. 6 mm tip for penetration measurements. Dimensions tip (LxØ) mm 25x6 - pH 0...14 - Temperature -10...100 °C	32200243



Name	Description	p/n
ZAVATRODE S7	Combined pH electrode, S7 head. Glass body. Refillable Glycerin KCl for sample containing proteins. 4 mm tip for penetration measurements. Dimensions tip (LxØ) mm 120x4 - pH 0...14 - Temperature 0...60 °C	32200403



Name	Description	p/n
2 PORE S7	Combined pH electrode, S7 head. Glass body. Polymer filling, two open pores, maintenance free. Ideal for meat and cheese applications. Dimensions tip (LxØ) mm 35x6 - pH 0...14 - Temperature 0...60 °C	32200333
2 PORE T BNC + RCA	With integrated temperature sensor NTC 30 KΩ, fixed cable 1 mt length, BNC+RCA Cinch	32200323



Name	Description	p/n
2 PORE SLIM S7	Combined pH electrode, S7 head. Glass body. Polymer filling. Two open pores, maintenance-free. Ideal for meat and cheese applications. Dimensions tip (LxØ) mm 35x4,5 - pH 0...14 - Temperature 0...60 °C	32200283



Name	Description	p/n
2 PORE F S7	Combined pH electrode, S7 head. Plastic body (PEEK) and glass tip. Polymer filling, two open pores, maintenance-free. Ideal for meat and cheese applications. Dimensions tip (LxØ) mm 35x6 - pH 0...14 - Temperature 0...60 °C	32200293
2 PORE F T BNC + RCA	With integrated temperature sensor NTC 30 KΩ fixed cable 1 mt., BNC+RCA.	32200703
2 PORE F T DIN + BANANA	With temperature sensor PT1000, fixed cable 1 mt., plug DIN + banana 4 mm For Knick and WTW instruments.	32200713
G 216 T BNC + BANANA	With temperature sensor PT1000, fixed cable 1 mt., plug BNC + banana 4 mm	32200823



Name	Description	p/n
2 PORE STEEL S7	Combined pH electrode, steel body. Polymer filled, maintenance-free. Ideal for meat and cheese applications or penetration measurements. Dimensions tip (LxØ) mm 50x6 - pH 0...14 - Temperature 0...80 °C	32200653
2 PORE STEEL T BNC + RCA	With integrated temperature sensor NTC 30 KΩ, fixed cable 1 mt., BNC + RCA cinch plug.	32200313
2 PORE STEEL T DIN + BANANA	With temperature sensor NTC 30 KΩ, fixed cable 1 mt., plug DIN + Banana 4mm.	32200643



Name	Description	p/n
2 PORE K S7	Combined pH electrode, S7 head. Steel body with replaceable blade. Polymer filling, two open pores, maintenance-free. Ideal for meat and cheese applications or penetration measurements. Dimensions tip (LxØ) mm 35x6 - pH 0...14 - Temperature 0...60 °C	32200303
2 PORE K WITHOUT BLADE	Only electrode, without knife.	32200343
BLADE	Replaceable knife for 2 Pore K	32200353

Plastic electrodes for general use



Name	Description	p/n
POLYMER PLAST S7	Combined pH electrode, S7 head, with epoxy body. Good chemical resistant. Polymer filling, one open pore and one ceramic diaphragm, for a fast response in samples that contain substances that might contaminate the diaphragm. Maintenance-free. Dimensions (LxØ) mm 120x12 - pH 0...14 - Temperature 0...60 °C	32200493
POLYMER PLAST BNC	With fixed cable 1 mt., BNC plug	32200503
POLYMER PLAST DIN	With fixed cable 1 mt., DIN plug	32200513



Name	Description	p/n
201 T BNC	Combined pH electrode with NTC integrated temperature sensor. Epoxy body for general applications. Polymer filling with ceramic diaphragm. Maintenance-free. Fixed cable 1 mt., BNC + RCA plug. Dimensions (LxØ) mm 120x12 - pH 0...14 - Temperature 0...60 °C	50002002
201 T /3 BNC	201 T with cable 3 mt long	50002072
201 T /5 BNC	201 T with cable 5 mt long	50002022
201 T DIN	With integrated temperature sensor NTC 30 KΩ, fixed cable 1 mt., DIN+ 1 Banana 4mm plug	50002052
G 210 BNC + BANANA	With integrated temperature sensor PT 1000, fixed cable 1 mt. BNC + 1 Banana 4mm plug	32200803

Cleaning and maintenance solutions

Name	Volume	p/n
KCL 3M + AgCl Solution	55 ml	32208113
1M LiCl IN ALCOOL ETILICO Solution	100 ml	12005033
3M KCL Solution	55 ml	32208003
3M KCL Solution	500 ml	32208013
GLYCERIN-KCl Solution	55 ml	32208023
KN03 1M FOR ELECTRODE XS STANDARD Ag Solution	55 ml	32208033
ELECTRODES STORAGE Solution	55 ml	32208043
ELECTRODES STORAGE Solution	500 ml	32208053
PROTEIN CLEANING SOLUTION (PEPSIN) FOR FOOD INDUSTRY ELECTRODES	55 ml	32208063
PROTEIN CLEANING SOLUTION (PEPSIN) FOR FOOD INDUSTRY ELECTRODES	250 ml	32208093
DIAPHRAGM CLEANING (THIOUREA) Solution	55 ml	32208073
DIAPHRAGM CLEANING (THIOUREA) Solution	250 ml	32208103
REGENERATION SOLUTION (WITH HF) FOR pH ELECTRODES	55 ml	32208083

ORP Electrodes



Name	Description	P/N
STANDARD ORP S7	Combined pH electrode, S7 head. Glass body. Refillable KCL 3M Electrolyte. Platinum ring for ORP measurements. Dimensions (LxØ) mm 120x12 - Temperature -10...100 °C	32200233



Name	Description	P/N
STANDARD AG S7	Combined electrode, S7 head. Glass body. Refillable KNO3 1M Electrolyte. Silver pin for argentometric titrations. Dimensions (LxØ) mm 120x12 - Temperature 0...80 °C	32200483



Name	Description	P/N
NEW FLOW AG S7	Collar diaphragm, S7 head with silver tip for argentometric applications. Dimensions (LxØ) mm 120x12 - Temperature 0...80 °C - mV +/- 2000 mV	32200543



Name	Description	P/N
STANDARD KF S7	Glass Body, S7 head. Maintenance-free. Double platinum pins for KF and SO2 titrations Dimensions (LxØ) mm 120x12 - Temperature 0...80 °C	32200523



Name	Description	P/N
PLAST ORP S7	S7 head, epoxy body. Gel filling, double junction, maintenance-free. Ceramic diaphragm. Dimensions (LxØ) mm 120x12 - Temperature 0...60 °C	32200663

PLAST ORP BNC	With fixed cable 1mt., BNC Plug	32200673
-------------------------	---------------------------------	----------



Process electrodes



Name	Description	p/n
BASIC PRO S7 - PG 13,5	Combined pH electrode, S7 head. Length 120 mm. Glass body, ceramic diaphragm. Gel filling , maintenance-free. Withstands pressure of 2 bar - pH 0...14 - Temperature 0...60 °C	32201021



Name	Description	p/n
PLASTIC PRO S7 - PG 13,5	Combined pH electrode, S7 head, with epoxy body. Length 120 mm. Good chemical resistant. Polymer filling , open pore. Maintenance-free. Withstands pressure of 6 bar - pH 0...14 - Temperature -10...60 °C	32201101



Name	Description	p/n
POLYMER PRO S7 - PG 13,5	Combined pH electrode, S7 head, glass body. Length 120 mm. Polymer filling with barrier, open pore. Maintenance-free. Withstands pressure of 6 bar - pH 0...14 - Temperature -10...60 °C	32201111



Name	Description	p/n
POLYMER HA PRO S7 - PG 13,5	Combined pH electrode, S7 head, glass body. Length 120 mm. Polymer filling, open pore. Maintenance-free. Sterilizable . Special membrane with low alkaline error and resistant to the metals present in the sample. Withstands pressure of 6 bar - pH 0...14 - Temperature -10...130 °C	32201061



Name	Description	p/n
POLYMER HF PRO S7 - PG 13,5	Combined pH electrode, S7 head, glass body. Length 120 mm. Polymer filling, open pore. Maintenance-free. Special membrane HF resistant (0,01M 200mg at 20°C and 0,05M 1000mg at 50°C). Withstands pressure of 6 bar - pH 0...14 - Temperature 0...100 °C	32201071



Name	Description	p/n
PURE PRO S7 - PG 13,5	Combined pH electrode, S7 head, glass body. Length 120 mm. Refillable KCl 3M electrolyte. Designed for low conductivity samples (<0,2 µS) pH 0...14 - Temperature 0...40 °C	32201081



Name	Description	p/n
PURE PRO GEL S7 - PG 13,5	Combined pH electrode, S7 head, glass body. Length 120 mm. Gel Filling, maintenance-free. Designed for low conductivity samples (<1 µS) Withstands pressure of 6 bar - pH 0...14 - Temperature 0...60 °C	32201171



Name	Description	p/n
GEL HT PRO S7 - PG 13,5	Combined pH electrode, S7 head. Length 120 mm. Glass body with 3 ceramic diaphragms. Gel Filling, maintenance-free. Withstands pressure of 16 bar - pH 0...14 - Temperature 0...130 °C	32201001
GEL HT PRO 225 S7 - PG 13,5	Length 225 mm	32201041



Name	Description	p/n
POLYMER HT PRO S7 - PG 13,5	Combined pH electrode, S7 head, glass body. Length 120 mm. Polymer filling, open pore. Maintenance-free. Withstands pressure of 6 bar - pH 0...14 - Temperature 0...130 °C	32201011
POLYMER HT PRO 225 S7 - PG 13,5	Length 225 mm	32201051



Name	Description	p/n
POLYMER PLUS PRO S7 - PG 13,5	Combined pH electrode, S7 head, glass body. Length 120 mm. Special polymer filling and encapsulated reference system. Maintenance-free. Open pore. Withstands pressure of 6 bar - pH 0...14 - Temperature 0...130 °C	32201121
POLYMER PLUS PRO 225 S7 - PG 13,5	Length 225 mm	32201211



Name	Description	p/n
GEL BIOTECH S7 - PG 13,5	Combined pH electrode, glass body with 1 ceramic diaphragm. Length 120 mm. Maintenance-free, gel filling, pressurized for biotechnology and fermenters, prevents internal pollution by the sample. For SIP and CIP cycles. Withstands pressure of 6 bar - pH 0... 14 - Temperature 0... 130 °C	32201241
GEL BIOTECH 225 S7 - PG 13,5	Length 225 mm	32201251

VP head electrodes



Name	Description	p/n
POLYMER PLUS VP 120 VP HEAD - PT1000	Combined pH electrode, VP Multipin screw head. Glass body. Length 120 mm. Special polymer filling and encapsulated reference system, maintenance-free. Open pore. Complete with PT1000 sensor. Withstands pressure of 6 bar - pH 0... 14 - Temperature 0... 130 °C	32201351
POLYMER PLUS VP 225 VP HEAD - PT1000	Lenght 225mm. With PT1000 sensor.	32201361
POLYMER PLUS VP 120 VP HEAD - PT100	Length 120 mm. With PT100 sensor.	32201401



Name	Description	p/n
POLYMER HT VP 120 VP	Combined pH electrode, VP Multipin screw head. Glass body. Length 120 mm. Polymer filling, maintenance-free. Open pore. Complete with PT1000 sensor. Withstands pressure of 6 bar - pH 0... 14 - Temperature 0... 130 °C	32201301
POLYMER HT VP 225 VP	Lenght 225mm	32201311

Cleaning, maintenance and electrolyte solutions

Name	Volume	p/n
KCL 3M + AgCl Solution	55 ml	32208113
1M LiCl IN ALCOOL ETILICO Solution	100 ml	12005033
3M KCL Solution	55 ml	32208003
3M KCL Solution	500 ml	32208013
GLYCERIN-KCl Solution	55 ml	32208023
KN03 1M FOR ELECTRODE XS STANDARD Ag Solution	55 ml	32208033
ELECTRODES STORAGE Solution	55 ml	32208043
ELECTRODES STORAGE Solution	500 ml	32208053
PROTEIN CLEANING SOLUTION (PEPSIN) FOR FOOD INDUSTRY ELECTRODES	55 ml	32208063
PROTEIN CLEANING SOLUTION (PEPSIN) FOR FOOD INDUSTRY ELECTRODES	250 ml	32208093
DIAPHRAGM CLEANING (THIOUREA) Solution	55 ml	32208073
DIAPHRAGM CLEANING (THIOUREA) Solution	250 ml	32208103
REGENERATION SOLUTION (WITH HF) FOR pH ELECTRODES	55 ml	32208083

Redox process electrodes



Name	Description	p/n
BASIC ORP PLATINUM S7 - PG 13,5	Glass electrode for ORP measurements with gel filling. S7 screw head. Length 120 mm. Withstands pressure of 2 bar - Temperature 0... 60 °C	32201031



Name	Description	p/n
PLASTIC PRO ORP S7 - PG 13,5	Unbreakable epoxy body, S7 screw head. Length 120 mm. Polymer filling, ceramic diaphragm + open pore. Maintenance-free. Withstands pressure of 6 bar - Temperature -10... 60 °C	32201141



Name	Description	p/n
POLYMER ORP S7 - PG 13,5	Glass body. S7 screw head. Length 120 mm. Polymer filling. Open pore. Maintenance-free. Withstands pressure of 6 bar - Temperature -10... 60 °C	32201131



Name	Description	p/n
GEL HT ORP S7 - PG 13,5	S7 screw head. Length 120 mm. Glass body with 3 ceramic diaphragms. Maintenance-free, gel filling. Withstands pressure of 16 bar - Temperature 0... 130 °C	32201091

Process conductivity probe



Name	Description	p/n
SPT1	Conductivity cell in graphite C = 1 with Pt 100 and 8 m cable. Range 0 mS... 10 mS - Temperature 0 ... 60 °C	32390001

Laboratory Conductivity probes



Name	Description		P/N
VP 1	Platinum glass cell C = 1, fixed cable 1 m with BNC. Range 10μS... 100 mS		50004062
VPT 1	Platinum glass cell C = 1, with temperature sensor NTC 30KΩ		50003352
EPT 1	Epoxy body cell C = 1, with temperature sensor NTC 30KΩ		50003382



Name	Description		P/N
VPT 01	Steel/PVC cell C = 0.1, with integrated temperature sensor. Fixed cable 1 m BNC-Cinch. Range 0.1μS... 1 mS		50004012



Name	Description		P/N
VPT 10	Platinum glass cell C = 10, with integrated temperature sensor, fixed cable 1 m BNC-Cinch. Range 100μS... 200 mS		50004072



Name	Description		P/N
VPT 10 H	Platinum glass cell C = 10, with integrated temperature sensor, fixed cable 1 m BNC-Cinch. Range 100μS... 500 mS.		50003372



Name	Description		P/N
2301 T	Epoxy cell C = 1 with integrated temperature sensor, fixed cable 1 m. Working range 10μS... 200 mS		50004002
2301 T / 3	Fixed cable 3 m		50004092
2301 T / 5	Fixed cable 5 m		50004022



Name	Description		P/N
EPT 4 FULL RANGE	PVC-Graphite cell 4 rings C=0.5, 1m cable, integrated temperature sensor. Multipin connector. Measuring range 0,01 μS...1 S. Compatible with PC-Cond 80 Pro		50003362



Name	Description		P/N
VPT SOIL SENSORE	PVC-Graphite cell 4 rings C=0.5, 1m cable, integrated temperature sensor. Multipin connector. Measuring range 0,01 μS...1 S. Compatible with PC-Cond 80 Pro		50004082

Cables and accessories

LABORATORY

Cables are provided with S7 head to screw at the electrodes head.

The plug choice is related to the instrument used. Diameter 3 mm, lenght 1 m.

Name	Description	p/n
BNC	Cable S7-BNC	33551733
DIN	Cable S7-DIN	33551743

PROCESS

Connecting cable for process electrodes. **Diameter 5 mm.**

Plug and lenght of the cable must be chosen based on the application.

Name	Description	p/n
CABLE 5 MM	Coaxial cable with antistatic sheath for electrodes, diameter 5mm	33550533
S7 HEAD	Only S7 head for 5mm cable	33412913
BNC	Only BNC plug for 5 mm cable	33412923
DIN	Only DIN plug for 5 mm cable	33550903

	Lenght	p/n
PRE - ASSEMBLED CABLE WITH S7 HEAD - OPEN WIRES	3 m	33550733
	5 m	33550663
	10 m	33550803
	20m	33550763
PRE- ASSEMBLED CABLE WITH S7 HEAD - BNC PLUG	1 m	33550673
	3 m	33550743
	5 m	33550563
	10 m	33550753
	20 m	33550773
PRE- ASSEMBLED CABLE WITH VP 6 FOR ELECTRODE WITH PT100 - PT1000	3 m	33551091
	5 m	33551101
	10 m	33551111

BUFFER SOLUTIONS



XS GREEN LINE SOLUTIONS

CALIBRATION AND QUALITY

pH and conductivity measurements and redox potential are routine operations in most laboratories and processes. Reliability and accuracy of measurements are essential for the quality control. The XS Green Line Solutions range suits your needs and guarantees an impeccable calibration.



PROFESSIONAL

XS PROFESSIONAL ASSURANCE AND ACCREDITATION

The more accurate the pH and conductivity measurements are, the more reliable the calibration solutions are. XS Professional solutions are a guarantee of metrological traceability of your measurement chain and are ideal for regulated areas. Traceability is ensured by the certifications of accredited external calibration laboratories UNI CEI EN ISO/IEC 17025. pH buffer solutions are DKD-DAkkS certified by calibration at the ZMK Zentrum für Messen und Kalibrieren. Conductivity standards are DANAK certified by calibration at the DFM Danish Institute of Fundamental Metrology. Upon request, it is available the Certification Report in accordance to ISO 17034.



BASIC

XS BASIC TRACEABILITY AND RELIABILITY

XS standard solutions are traceable to the IUPAC pH scale, using an unbroken chain of comparisons directly to NIST Standard Reference materials.

Each solution is provided with the Certificate of Analysis of the GIORGIO BORMAC internal Laboratory, which guarantees quality, traceability and accuracy. XS Basic solutions are your perfect partner to verify your sensors and measurement systems every day.

XS PROFESSIONAL pH

All solutions are ISO 9001 - DAkkS/DKD certified.

The Certificate is available on our website: www.xsinstruments.com

○ BOTTLE 250 ml

Name	Description	p/n
pH 4.01	±0,02 / 25°C - Red	51300003
pH 7.00	±0,02 / 25°C - Green	51300013
pH 9.21	±0,02 / 25°C - Blue	51300023
pH 10.01	±0,02 / 25°C - Yellow	51300033

○ BOTTLE 500 ml

Name	Description	p/n
pH 4.01	±0,02 / 25°C - Red	51300103
pH 7.00	±0,02 / 25°C - Green	51300113
pH 9.21	±0,02 / 25°C - Blue	51300123
pH 10.01	±0,02 / 25°C - Yellow	51300133

XS PROFESSIONAL COND

With DFM and N.I.S.T traceability,

The Certificate is available on our website: www.xsinstruments.com



○ BOTTLE 280 ml Glass

Name	Description	p/n
1,3 µS/cm (25°C)	DFM. Accuracy ±0,1µS	51300303
5,0 µS/cm (25°C)	DFM. Accuracy ±0,1µS	51300313

○ BOTTLE 500 ml with built-in calibration compartment

Name	Description	p/n
84 µS/cm (25°C)	DFM. Accuracy ±1%	51300323
147 µS/cm (25°C)	DFM. Accuracy ±1%	51300333
1413 µS/cm (25°C)	1278 µS/cm (20°C) - DFM. Accuracy ±1%	51300343
12.880 µS/cm (25°C)	11670 µS/cm (20°C) - DFM. Accuracy ±1%	51300353

XS BASIC

BUFFER SOLUTIONS IN SACHETS

WITH N.I.S.T. TRACEABILITY.



○ SINGLE BUFFER

Name	Description	p/n
pH 4.01 (25°C)	Pack of 20 sachets 25 ml, red, with certificate of analysis	51102013
pH 7.00 (25°C)	Pack of 20 sachets 25 ml, green, with certificate of analysis	51102023
pH 10.01 (25°C)	Pack of 20 sachets 25 ml, with certificate of analysis	51102043
EC 1413 µS/cm (25°C)	Pack of 20 sachets 25 ml, with certificate of analysis	51102053
EC 12880 µS/cm (25°C)	Pack of 20 sachets 25 ml, with certificate of analysis	51102063
STORAGE	Pack of 20 sachets 10 ml, pH/ORP Sensor Storage Solution	51102083
H2O	Pack of 20 sachets 25ml, Distilled water for sensor cleaning	51102093

○ CALIBRATION SET

Name	Description	p/n
SET CAL pH BIS	Pack of 20 sachets 25ml (10 x pH 4.01 and 10 x pH 7.00)	51102203
SET CAL pH BIS	Pack of 20 sachets 25ml (7 x pH 4.01, 7 x pH 7.00 and 6 x pH 10.01)	51102213
SET CAL COND	Pack of 20 sachets 25ml (10 x EC 1.413 µS and 10 x EC 12.880 µS)	51102223
SET CAL PC	Pack of 20 sachets 25ml (7 x pH 4.01, 7 x pH 7.00 and 6 x EC 1.413 µS)	51102233
REPLACEMENT pH	Pack of 20 sachets 25ml (6 x pH 4.01, 6 x pH 7.00, 6 x H2O distilled water and 2x Storage 10 ml)	51102243
REPLACEMENT COND	Pack of 20 sachets 25ml (7 x EC 1.413 µS, 7 x EC 12.880 and 6 x H2O distilled water)	51102253
REPLACEMENT PC	Pack of 20 sachets 25ml (5 x pH 4.01, 5 x pH 7.00, 5 x 1.413 µS, 3 x H2O distilled water and 2 x Storage 10 ml)	51102263

DISPOSABLE BOTTLE 55 ml



Name	Description	p/n
pH 4,01	±0,02 / 25°C - Red	32383123
pH 7,00	±0,02 / 25°C- Green	32383133
pH 9,00	±0,02 / 25°C- Blue	32383143
pH 10,01	±0,02 / 25°C- Uncoloured	32382903
465 mV	± 5mV / 25°C- Yellow	32383163
475 mV	± 5mV / 25°C- Yellow	32383153
EC 84 µS/cm	± 1% / 25°C - Uncoloured	60000613
EC 1413 µS/cm	± 1% / 25°C - Uncoloured	60000423
EC 12880 µS/cm	± 1% / 25°C - Uncoloured	60000433

pH BUFFERS

With N.I.S.T traceability.

The Certificate is available on our website: www.xsinstruments.com



○ BOTTLE 250 ml with built-in calibration compartment

Name	Description	p/n
pH 4,01	±0,02 / 25°C - Red	51100033
pH 7,00	±0,02 / 25°C - Green	51100043
pH 9,00	±0,02 / 25°C - Blue	51100053
pH 9,21	±0,02 / 25°C - Blue	51100073
pH 10,01	±0,02 / 25°C - Uncoloured	51100063

○ BOTTLE 500 ml with built-in calibration compartment

Name	Description	p/n
pH 4,01	±0,02 / 25°C - Red	51100133
pH 7,00	±0,02 / 25°C - Green	51100143
pH 9,00	±0,02 / 25°C - Blue	51100153
pH 9,21	±0,02 / 25°C - Blue	51100173
pH 10,01	±0,02 / 25°C - Uncoloured	51100163



○ POLITAINER 5000 ml (5 L)

Name	Description	p/n
pH 4,01	±0,02 / 25°C - Red	51100233
pH 7,00	±0,02 / 25°C - Green	51100243
pH 9,00	±0,02 / 25°C - Blue	51100253
pH 9,21	±0,02 / 25°C - Blue	51100273
pH 10,01	±0,02 / 25°C - Uncoloured	51100263

CONDUCTIVITY STANDARD

With N.I.S.T traceability and certificate downloadable from our website: www.xsinstruments.com

○ BOTTLE 280 ml glass

Name	Description	p/n
1,3 µS/cm (25°C)	N.I.S.T. Accuracy ±0,1µS	51100503
5,0 µS/cm (25°C)	N.I.S.T. Accuracy ±0,1µS	51100513



○ BOTTLE 500 ml with built-in calibration compartment

Name	Description	p/n
84 µS/cm (25°C)	N.I.S.T. Accuracy ±1%	51100613
147 µS/cm (25°C)	N.I.S.T. Accuracy ±1%	51100623
1413 µS/cm (25°C)	1278 µS/cm (20°C) - N.I.S.T. Accuracy ±1%	51100633
12.880 µS/cm (25°C)	11670 µS/cm (20°C) - N.I.S.T. Accuracy ±1%	51100643



REDOX / ORP STANDARD

Name	Description	p/n
200 mV (25°C)	± 5mV Bottle 250 ml	51100303
465 mV (25°C)	± 5mV Bottle 55 ml	32383163
475 mV (25°C)	± 5mV Bottle 250 ml	51100313
475 mV (25°C)	± 5mV Bottle 500 ml	51100323
650 mV (25°C)	± 5mV Politainer 5 l	51100333