CONDUCTIVITY METERS

PORTABLE INSTRUMENTS WARRANTY 5 YEARS

BENCHTOP INSTRUMENTS WARRANTY 3 YEARS

MADE IN ITALY

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 bcklit LCD	colour bcklit 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-ring 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**

MAIN FEATURES

Digital benchtop **conductivity meter** for advanced laboratory analysis.
Automatic calibration of 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 + 1 point of user's choice.
Automatic scale change, 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-ring and 2-ring 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 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:
Cond: 0,0 µS ...1000 mS (0,01 µS - automatic)
TDS: 0,01 mg/l...500,0 g/l
Resistivity: 1 Ω ...10 MΩ
Salinity: 0,01...100,0 ppt
Temperature: -30... +130,0 (0,1 °C)

Equipped with:
Electrode holder stand, conductivity standard, external keyboard, USB cable, multi-socket power supply and user manual.

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

COND 8 PRO

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

MAIN FEATURES

Digital benchtop conductivity meter.
Automatic calibration of 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.
Recall and printout of calibration data.
Automatic scaling, automatic and manual temperature compensation (0...100.0 °C).
Reference temperature (15...30 °C).Linear temperature coefficient (0.00...10.00%).
2 ring 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 for 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 at www.xsinstruments.com for PC data management data to PC.
USB output for PC connection.
RS232 port for printer connection. Independently controlled magnetic stirrer (optional).

Measuring range:
Cond: 0,0 µS ...500 mS (0,01 µS - automatic)
Salinity: 0,01...100,0 ppt
TDS: 0,01 mg/l...200,0 g/l
Temperature: -20...+120,0 (0,1 °C)

Equipped with:
Electrode holder stand, conductivity standard, 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) temperature sensor integrated, 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) temperature sensor integrated, without magnetic stirrer	50103202
COND 8 PRO BASIC	Without EC cell and magnetic stirrer	50103212
IQ-OQ MANUAL 8 SERIES	Paper manual IQ-OQ for **XS 8 Series**	50001492

ACCESSORIES 8 / 80 SERIES

Name	Description	p/n
PRINTER	External printer with normal paper for **XS VIOLAB 60 - 8 - 80**	50001502
STIRRER	**Magnetic stirrer with adjustable speed for XS 8 and 80 series**, complete with electrode holder and connecting cable	50001132

COND 60 VioLab

- **Resolution** *0,01 µS*
- 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

MAIN FEATURES

Professional bench meters 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 µS e 12,88; 111,8 mS) and 1 point custom.
Automatic resolution, reference temperature from 15 to 30 °C, and selectable cell costant (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 from www.xsinstruments.com.
RS 232 external printer connection.

Measuring range
Cond: 0,01 µS ...200,0 mS (0,01 µS - automatic)
Salinity: 0,1 ppm ... 100 ppt
TDS: 0,01 mg/l...200 g/l
Temperature: - 10...+ 110,0 (0,1 °C)

Equipped with:
Electrode holder stand, conductivity standard, USB cable, power supply and instructions for use.

Name	Description	p/n
COND 60 VIOLAB WITH EC CELL	**Complete with conductivity cell2301T** , temperature sensor integrated, 1 m cable	50103072
COND 60 VIOLAB WITHOUT EC CELL	With accessories, **without conductivity cell**	50103082

COND 50 VioLab

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

MAIN FEATURES

Professional bench meters 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 µS e 12,88; 111,8 mS) and 1 point custom.
Automatic resolution, reference temperature from 15 to 30 °C, and selectable cell costant (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 0,01 µS ...200,0 mS (0,01 µS - automatic)
TDS: : 0,01 mg/l...200 g/l
Temperature: 0...+100,0 (0,1 °C)

Equipped with:
Electrode holder stand, conductivity standard and instructions manual.

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

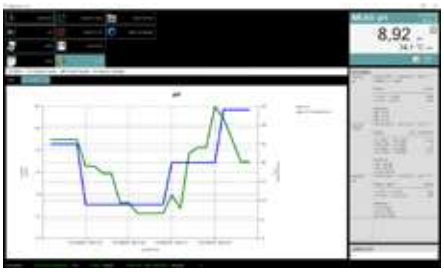
Cond 70 √io

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

MAIN FEATURES

Professional portable 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 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**.
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 from www.xsinstruments.com.

Measuring range:
Cond: 0,01 µS ...200,0 mS (0,01 µS - automatic)
Salinity: 0,1 ppm ... 100 ppt
TDS: 0,01 mg/l ... 200,0 g/l
Temperature: -10...+110,0 (0,1 °C)



Data Link Software

Equipped with:
Conductivity standard, USB cable, power supply, user manual and carrying case.

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

Cond 7 √io

- **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**

MAIN FEATURES

Professional portable 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.
The **steb 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 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.

Cond 7 Vio Kit

Measuring range:
Cond: 0,1 µS ...200 mS (0,01 µS - automatic)
TDS: 0,01 mg/l ... 200,0 g/l
Temperature: 0 ... 100,0 (0,1 °C)

Equipped with:
Conductivity standard, user manual and carrying case.

	Name	Description	p/n
NEW	**COND 7 VIO** WITH CELL	Complete **with conductivity cell EPT 1 with temperature sensor integrated**. 1 m cable	50110442
	COND 7 VIO WITH CELL	Complete **with conductivity cell 2301T with temperature sensor integrated**. 1 m cable	50110412
	COND 7 VIO WITHOUT CELL	With accessories, **without conductivity cell**	50110422

ACCESSORIES

CONDUCTIVITY CELL

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 µS...1 S, Temperature 0...+80 °C,	50003362
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 temperature sensor integrated.** 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 temperature sensor integrated.** 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, temperature sensor integrated, 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, temperature sensor integrated,** fixed cable 1 mt. BNC + RCA Cinch plug. **Measuring range: 100µS...500 mS. Only for XS COND 80+**	50003372
2301 T EC CELL	**Cell in epoxy body C=1, with temperature sensor integrated.** 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 temperature sensor integrated.** Fixed cable **5 mt.** BNC+RCA cinch plug. **Measuring range: 10µS...200 mS – Temperature 0...60 °C**	50004022
VPT SOIL EC CELL	Conductivity cell with temperature sensor integrated and penetration tip, C=1, **for soil measurement**, cable 1,5 m. Measuring range 10 µS...50 mS	50004082
EPT 1 EC CELL	**Cell in epoxy body C==1, with temperature sensor integrated.** Fixed cable 1 m, BNC-Cinch. **Measuring range 10µS...100 mS. For oily or viscous samples.**	50003382

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 µS and 10 x EC 12.880 µS	51102223
COND REPLACEMENT	Includes 7 x EC 1.413 µS, EC 12.880 µS and 6 x deionized H20	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 ±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

COMMERCIAL

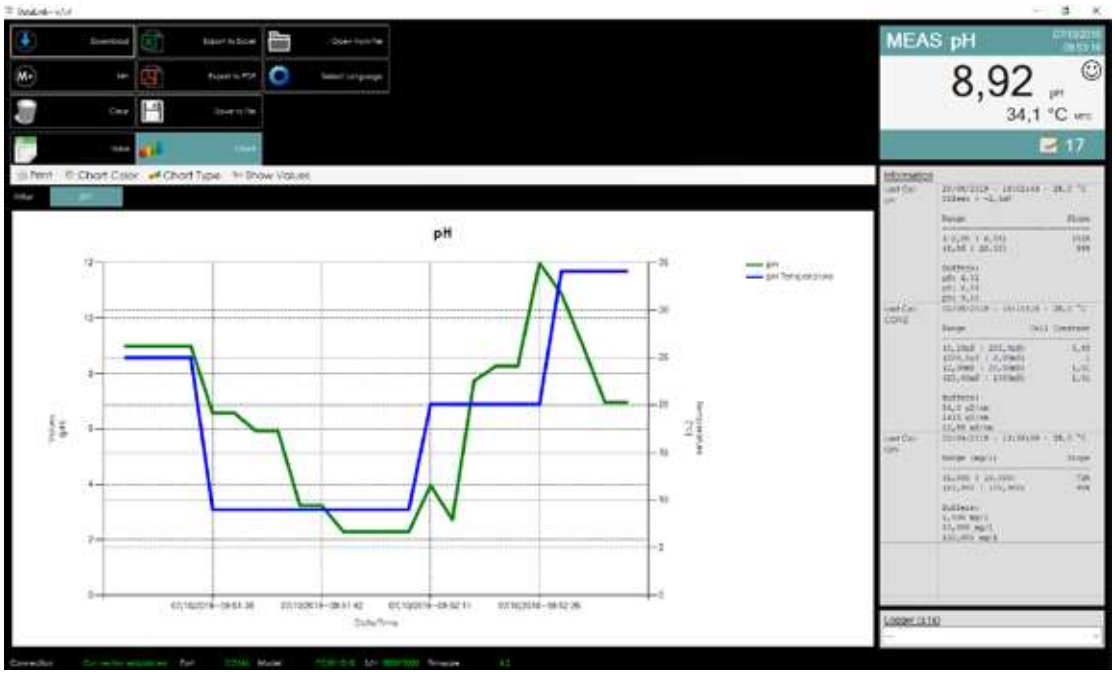
TEMPERATURE SENSOR

Name	Description	p/n
NT 55 TEMPERATURE SENSOR	Temperature sensor for XS VioLab series	50002012

ACCESSORIES

Name	Description		p/n
ST 10 MAGNETIC STIRRER	**Magnetic stirrer, adjustable speed,** with rechargeable batteries, magnetic bar and power supply.		50000132
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
SUPPORT	Magnetical support for portable meter 7-70 REVIO Series with electrodes holder		50110252
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

DATA LINK +



On the software are shown all the informations 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 datas 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 - Czech.
And then there are a lot of 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