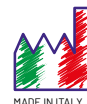


CONDUCTIVITY METER



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+	COND 80+
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	○	○	●	●
Online guide	○	○	○	●
External keyboard	○	○	○	●

COND 80+

- 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
- **Online guide** multilanguage
- **Alphanumeric password**

MAIN FEATURES

Simultaneous view of COND and temperature.
IP54 keyboard.

Automatic and manual EC calibration

with 4 standard recognition (84; 1413 μS , 12,88 and 111,8 mS) up to 4 points
with calculation of the different cell constants
and a standard defined by the user.

Automatic scale. Reference temperature (15...30°C).

Linear temperature coefficient(0,00...10,00%) and non linear
for ultra pure water. Selectable cell constant (C = 0,1- 1- 10,0).

Calibration points indications.

Intuitive menu. **Multilanguage menu.**

Entering company data, operator ID, sample ID and
sensor ID via external keyboard (included). Functions for
setting alarms and analog format, "Hold reading" and "Stability" with
titration and timed stability mode for ISE.

Calibration due alarm, self-diagnosis messages. **Alphanumeric password** for calibration
management and memory reset.

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

Magnetic stirrer with independent control. Quick manual online.

Data Link+ software freely downloadable from www.xsinstruments.com.



Measuring range:

Cond: 0,0 μS ...1000 mS (0,01 μS - automatic)

Resistivity: 1 Ω ...10 M Ω

Salinity: 0,01...100,0 ppt

TDS: 0,01 mg/l...500,0 g/l

Temperature: -20... +120,0 (0,1 °C)

Equipped with:

Electrode holder stand, conductivity standard, external keyboard, USB cable, power supply and user manual.

Name	Description	p/n
COND 80+ STIRRER	Complete with EC cell VPT 1 glass/platinum (C=1) with temperature sensor integrated, and magnetic stirrer with adjustable speed	50003402
COND 80+ STIRRER	Without EC cell, with magnetic stirrer with adjustable speed	50003412
COND 80+ BASIC	Complete with EC cell VPT 1 glass/platinum (C=1) with temperature sensor integrated, without magnetic stirrer	50003422
COND 80+ BASIC	Without EC cell and magnetic stirrer	50003432
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 +

- 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

MAIN FEATURES

Digital bench multi parameter for **COND**, **TDS**, **Salinity**, **temperature**. IP54 keyboard.

Simultaneous display of COND and Temperature.

Automatic and manual conductivity calibration with recognition of 4 standards (84; 1413 μ S, 12.88 and 111,8 mS) from 1 to 4 points with calculation of the different cell constants and a standard defined by the user.

Automatic scale, Reference temperature (15... 30 °C), Linear temperature coefficient (0.00 ... 10.00%), selectable cell constant (C = 0.1- 1- 10.0) .

Calibrated points indication.

Manual and automatic **Data Logger** function, **up to 1000 savings** with date / time according to GLP.

Intuitive parameter management via icons. Multilanguage menu.

Functions for setting alarms and displaying in analog format, "Hold-reading" and "Stability" with titration mode, **calibration due alarm**, self-diagnosis messages.

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

Numeric password for calibration management and memory deletion.

Magnetic stirrer with independent control.

Data Link + software freely downloadable from www.xsinstruments.com.

Measuring range:

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

Salinity: 0,01...100,0 ppt

TDS: 0,01 mg/l...100,0 g/l

Temperature: -10...+110,0 (0,1 °C)

Equipped with:

Electrode holder stand, conductivity standard, USB cable, power supply and user manual.



Name	Description	p/n
COND 8 + STIRRER	Complete with epoxy EC cell 2301T (C=1) temperature sensor integrated, and magnetic stirrer with adjustable speed	50003232
COND 8 + STIRRER	Without EC cell, with magnetic stirrer with adjustable speed	50003242
COND 8 + BASIC	Complete with epoxy EC cell 2301T (C=1) temperature sensor integrated, without magnetic stirrer	50003202
COND 8 + BASIC	Without EC cell and magnetic stirrer	50003212
IQ-00 MANUAL 8 SERIES	Paper manual IQ-00 for XS 8 Series	50001472

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 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



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 μ S e 12,88; 111,8 mS) and 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 from www.xsinstruments.com.

RS 232 external printer connection.

Measuring range

Cond: 0,0 μ S ... 199,9 mS (0,01 μ S - 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 cell 2301T , 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 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 0,0 μS ...199,9 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

ACCESSORIES

CONDUCTIVITY CELL

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 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

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 H2O	51102253
H2O	Pack of 20 sachets of deionized water	51102093

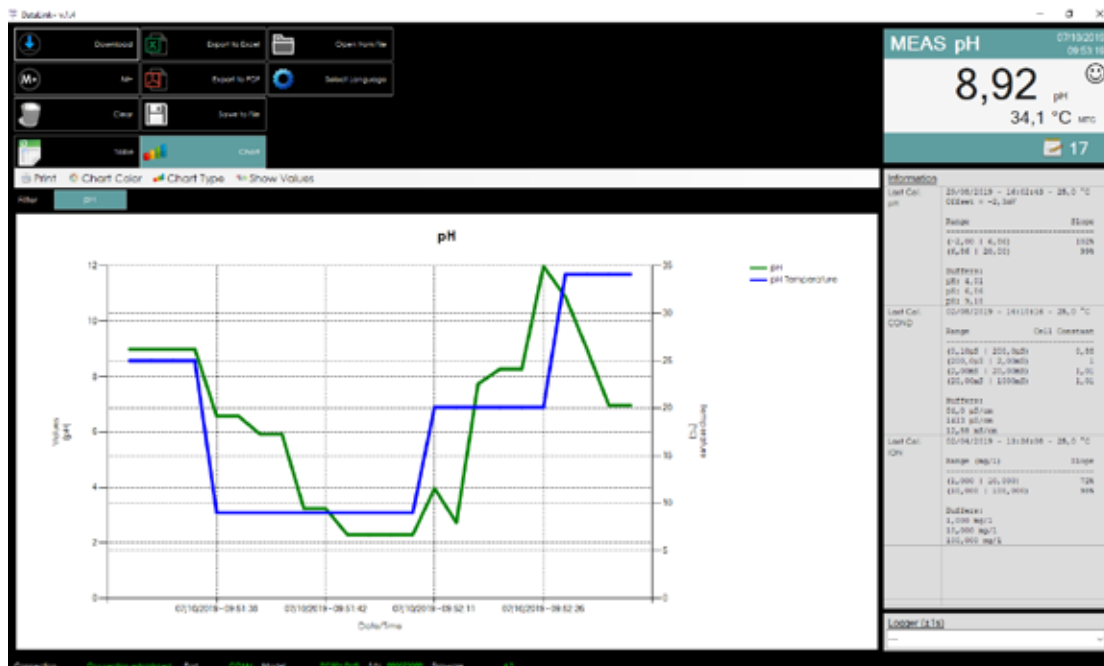


○ BOTTLE 500 ml, with calibration compartment

Name	Description	p/n
84 µS/cm (25°C)	N.I.S.T. Accuracy ±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



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

WWW.WAGAGROUP.LK

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