

# VioLab

## COND 50

Cond - TDS - Temperature

## COND 60

Cond - TDS - Salinity - Temperature - GLP - Data Logger - RS 232 Printer



### MADE IN ITALY

The first electrochemical instrumentation line completely conceived, designed and produced in Italy is here.

# COND 50 *VioLab*

Cond - TDS - Temperature

## General features

Professional bench meter with **innovative backlit high definition colored LCD display**, with possibility of brightness adjustment.

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

**Automatic conductivity calibration** up to 5 points (84; 147; 1413  $\mu\text{S}$  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** and possibility to select 3 stability levels.

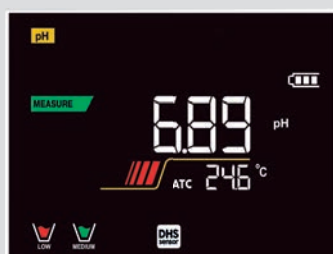
All operations are constantly monitored and shown to the operator by the **colored LED** above the display and **self-diagnosis messages**.



The **LED indicator** allows you to keep always under control the state of the measurement



Connections **COND 50 VioLab**



## NEW DISPLAY

The new high-resolution display shows all the useful information, including the buffer used for calibration and the stability icon. Through guided procedures it makes the user experience intuitive and safe, as well as extremely performing.

## How to order:

### COND 50 VIOLAB

### code

Complete with conductivity cell **2301T**, temperature sensor integrated, cable 1 m

**50103002**

With accessories, **without conductivity**

**50103012**





### Inside the box:

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

# COND 60 *VioLab*

Cond - TDS - Salinity - Temperature - GLP - Data Logger - RS 232 Printer

... only on COND 60 VioLab

-  **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](http://www.xsinstruments.com).
-  **RS 232 external printer connection**



Connections COND 60 VioLab



Only **6 buttons** to easily manage all the functions of the instrument.

#	Date	Time	Value	MAU	Temp	MAU	MTC/ATC	DHS
1	16/01/2020	14:53:40	7,00	pH	25,0	°C	MTC	
2	16/01/2020	14:53:40	7,00	pH	25,0	°C	MTC	
3	16/01/2020	14:53:42	7,00	pH	25,0	°C	MTC	
4	16/01/2020	14:53:43	7,00	pH	25,0	°C	MTC	
5	16/01/2020	14:53:44	9,54	pH	25,0	°C	MTC	
6	16/01/2020	14:53:45	10,51	pH	25,0	°C	MTC	
7	16/01/2020	14:53:46	10,51	pH	25,0	°C	MTC	
8	16/01/2020	14:53:47	10,51	pH	25,0	°C	MTC	
9	16/01/2020	14:53:48	10,51	pH	25,0	°C	MTC	
10	16/01/2020	14:53:50	6,40	pH	25,0	°C	MTC	
11	16/01/2020	14:53:51	6,40	pH	25,0	°C	MTC	
12	16/01/2020	14:53:51	6,40	pH	25,0	°C	MTC	

## DATA LINK +

The software allows remote control of the instrument in measure mode, shows all information relating to the instrument and calibrations, data export at the end of the analysis, (also in Excel and PDF format), and the display of measurements in the table and in graphic.

## How to order:

### COND 60 VIOLAB

Complete with conductivity cell2301T, temperature sensor integrated, cable 1 m

With accessories, **without conductivity**

### code

50103072

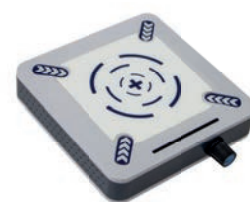
50103082

### Inside the box:

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

## Data sheet:

	COND 50 VioLab	COND 60 VioLab
<b>COND</b> Measuring range	0,00 ... 200 mS	
Resolution	0,01 - 0,1 - 1 $\mu$ S / 0,01 - 0,1 mS	
Accuracy	$\pm 2\%$ f.s.	
Calibration points	1...5 Auto + 1 Custom	
Buffer recognized	84 $\mu$ S - 147 $\mu$ S - 1413 $\mu$ S - 12,88 mS - 111,8 mS	
Reference temperature	15 ... 30 °C	
Temperature coefficient	0,00 ... 10,00 % / °C	
Calibration points indication	Yes	
Calibration report	Yes	Yes, printable
Stability filter	Low - Nor - High	
<b>TDS</b> Measuring range	0,1 mg/l ... 200 g/l	
TDS Factor	0.40 ... 1.00	
<b>Salinity</b> Measuring range	-	0,1 ppm ... 100 ppt
<b>Temperature</b> Measuring range	0,0...100,0 °C	-10,0...110,0 °C
Resolution / Accuracy	0,1 / $\pm 0,5$ °C	
Temperature compensation	0,0...80,0 °C	0,0...100,0 °C
<b>System</b> : GLP	-	Yes
Calibration due	-	Yes
Internal memory	-	1000 Data
Display	high definition backlight colored LCD	
Brightness adjustment	Manual	
IP protection	IP 54	
Output	-	Micro USB and RS 232
Power supply	5 V power adapter	
Electrical tension	100 ... 240 V	
Working conditions	0 ... +45 °C	
Dimensions / Weight	160 x 140 x 45 mm / 380 g	



ST 10 magnetic stirrer



RS 232 printer



Cell 2301 T

Code	Name	Description
50003352	VPT 1	Glass/Platinum conductivity cell C=1, temperature sensor integrated. Cable 1 m
50004012	VPT 01	Glass/Platinum conductivity cell C=0,1, temperature sensor integrated. Cable 1 m
50004072	VPT 10	Glass/Platinum conductivity cell C=10, temperature sensor integrated. Cable 1 m
50004002	2301 T	Plastic body conductivity cell C=1, temperature sensor integrated. Cable 1 m
50002012	NT 55	Temperature sensor NTC 30 K for air and liquid measurement
50000132	ST 10	Variable speed magnetic stirrer, complete with rechargeable batteries, magnetic bar and power supply