

VioLab

pH 50

pH - mV - ORP - Temperature

pH 60

pH - mV - ORP - Temperature - GLP - Data Logger - RS 232 Printer



MADE IN ITALY

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

pH 50 *VioLab*

pH - mV - ORP - Temperature

DHS Digital High Sensor

Instruments compatible with DHS digital sensors, for **maximum performance and safety**.

General features

Professional bench meters with **innovative backlit high definition colored LCD display**, with brightness adjustment.

Management of DHS digital sensors.

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.

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 pH 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:

pH 50 VIOLAB	code
Complete with digital pH electrode XS 201 T DHS , temperature sensor integrated	50101032
Complete with pH electrode XS 201 T , temperature sensor integrated	50101002
With accessories, cable S7-BNC and temperature sensor NT 55, without electrode	50101012

Inside the box:

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

pH 60 *VioLab*

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... only on pH 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.



RS 232 external printer connection



Connections **pH 60 VioLab**



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

#	Date	Time	Value	Unit	Temp	Unit	MTC/ATC	DHS
1	16/01/2020	14:53:40	7.00	pH	25.0	°C	MBC	
2	16/01/2020	14:53:40	7.00	pH	25.0	°C	MBC	
3	16/01/2020	14:53:42	7.00	pH	25.0	°C	MBC	
4	16/01/2020	14:53:43	7.00	pH	25.0	°C	MBC	
5	16/01/2020	14:53:44	9.54	pH	25.0	°C	MBC	
6	16/01/2020	14:53:45	10.51	pH	25.0	°C	MBC	
7	16/01/2020	14:53:46	10.51	pH	25.0	°C	MBC	
8	16/01/2020	14:53:47	10.51	pH	25.0	°C	MBC	
9	16/01/2020	14:53:48	10.51	pH	25.0	°C	MBC	
10	16/01/2020	14:53:50	8.40	pH	25.0	°C	MBC	
11	16/01/2020	14:53:51	8.40	pH	25.0	°C	MBC	
12	16/01/2020	14:53:51	8.40	pH	25.0	°C	MBC	

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:

pH 60 VIOLAB

code

Complete with **digital pH electrode XS 201 T DHS**, temperature sensor integrated

50101102

Complete with **pH electrode XS 201 T**, temperature sensor integrated

50101092

With accessories, cable S7-BNC and temperature sensor NT 55, **without electrode**

50101112

Inside the box:

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

Data sheet

	pH 50 VioLab	pH 60 VioLab
pH Measuring range	0 ... 14,00	-2...16,00
Resolution / Accuracy	0.1, 0.01 / ± 0.02	
Calibration points	1...3 Auto + 2 custom	
Buffer recognized	USA, NIST	
Buffer indication	Yes	
Calibration report	Yes	Yes, printable
DHS sensor recognition	Yes	
Stability filter	Low - Nor - High	
mV Measuring range	-1000 ... +1000	-1000 ... +1900
Resolution	1	0.1 / 1
ORP Calibration point	1 point = 475 mV	
Temperature Measuring range	0,0...100,0 °C	-10,0...110,0 °C
Resolution / Accuracy	0,1 / $\pm 0,5^{\circ}\text{C}$	
Temperature compensation	0,0...100,0 °C	
System : GLP	-	Yes
Calibration due	-	Yes
Internal memory	-	1000 Data
Display	High definition colored baklight LCD	
Brightness adjustment	Manual	
IP protection	IP 54	
Output	-	Micro USB and RS 232
Power supply	5 V power adaptor	
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



201 T DHS

Code	Name	Description
32200103	201 T DHS	Digital pH electrode, DHS technology , plastic body for general use. Temperature sensor integrated. pH 0...14, temperature 0...60 °C. Dimensions (LxØ) mm 120x12
32200123	STANDARD DHS	Digital pH electrode, DHS technology. Glass body with temperature sensor integrated. Electrolite KCl 3M, cable 1 m. pH 0...14, Temp -10...100°C
32105302	REDOX	Combined Redox electrode. plastic body for general use. Cable 1 m. Range ± 1.000 mV, Temperature 0...60 °C. Dimensions (LxØ) 120 x 12 mm
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
50001502	PRINTER	External RS 232 printer with normal paper for XS 60 VioLab
50000112	HELECTRODE HOLDER	Flexible electrode holder



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