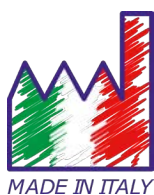# VioLab

PC **50**

pH – mV – ORP – Cond – TDS – Temperature

PC **60**

pH – mV – ORP –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.

MADE IN ITALY

PC **50** *VioLab*

pH – mV – ORP – Cond – TDS – Temperature

Professional bench meters with **innovative backlit high definition colored 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 5 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).
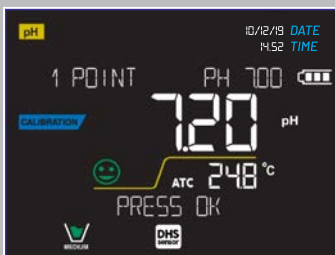**Indication of the calibrated points**, with icons.
Measurement **stability indication** and possibility to select 3 stability levels.
All operations are constantly monitored and shown to the operator by the **colored LED** above the display and **self-diagnosis messages**.

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

*Connections **PC 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:

PC 50 VIOLAB	code
Complete with **digital pH electrode XS 201 T DHS and conductivity cell 2301T** (C=1), both with integrated temperature sensor	50103892
Complete with **pH electrode XS 201 T and conductivity cell 2301T** (C=1), both with integrated temperature sensor	50103902
With conductivity cell 2301T (C=1), accessories, cable S7-BNC and temeprature sensor NT 55 Without pH electrode	50103912

Inside the box:
Electrode holder stand, pH and conductivity buffer solutions, power supply and instructions for use.

MADE IN ITALY

PC **60** *VioLab*

pH - mV - ORP -Cond - TDS - Salinity - Temperature - GLP - Data Logger

... only on PC 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

*Conenctions **PC 60 VioLab***

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

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:

PC 60 VIOLAB	code
Complete with **digital pH electrode XS 201 T DHS and conductivity cell 2301T** (C=1), both with integrated temperature sensor	50103942
Complete with **pH electrode XS 201 T and conductivity cell 2301T** (C=1), both with integrated temperature sensor	50103952
With conductivity cell 2301T (C=1), accessories, cable S7-BNC and temeprature sensor NT 55 **Without pH electrode**	50103972

Inside the box:
Electrode holder stand, pH and conductivity buffer solutions, USB cable, power supply and instructions for use.

Data sheet

Data sheet	PC 50 VioLab	PC 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, 2 custom	
DHS sensors recognition	Yes	
mV Measuring range	-1000 ... +1000	-1000 ... +1900
Resolution	1	0.1 / 1
ORP Calibration point	1 point = 475 mV	
COND Measuring range	0,00 ... 200 mS	
Resolution	0,01 - 0,1 - 1 µS / mS (automatic)	
Accuratcy	± 2 % f.s.	
Calibration points	1...5	
Buffer recognized	84 µS - 147 µS -1413 µS - 12,88 mS - 111,8 mS + 1 User	
Reference temperature	15 ... 30 °C	
Temperature coefficient	0,00 ... 10,00 % / °C	
TDS Measuring range	0,1 mg/l ... 200 g/l	
TDS Factor	0.40 ... 1.00	
Salinity Measuring range	-	0,1 ppm ... 100 ppt
Temperature Measuring range	0,0...100,0 °C	-10...110 °C
Resolution / Accuracy	0,1 / ± 0,5°C	
Temperature compensation	0...100 °C	
System: GLP	-	Yes
Calibration due	-	Yes
Calibration point indication	Yes	
Calibration report	Yes	Yes, printable
Stability filter	Low – Nor – High	
Internal memory	-	1000 Data
Display	high definition backlight colored LCD	
Brightness	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
cod: **50000132**

RS 232 printer
cod: **50001502**

201 T DHS
Digital pH electrode with DHS tech-nology.
Temperature sensor integrated.
Plastic body for general use.
Maintenance free.
pH: 0...14 - T: 0...60 °C
cod: **32200103**

2301 T
Conductivity cell,
Temperature sensor integrated
Cable 1 m
Measuring range: 10µS...200 mS
cod: **50004002**

WARRANTY **3** YEARS

CE

MADE IN ITALY

XS INSTRUMENTS

GIORGIO·BORMAC s.r.l.

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