

# Vio

## PC 7

pH - mV - ORP - Cond - TDS - Temperature

## PC 70

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



### MADE IN ITALY

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

# PC 7 *vio*

pH - mV - ORP - Cond - TDS - Temperature

## General features

Professional portable multiparameter with innovative high-resolution color 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 **guide onboard in setup and calibration mode** allows a simple and intuitive use of the device.

**Automatic pH calibration** with USA and NIST buffers up to 3 points and 2 points custom defined by the user.

**Automatic ORP calibration** in 1 point.

**Automatic calibration of conductivity** up to 5 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 **colored LED** above the display.



### 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.



The semi-transparent plastic body protects the connectors

### DHS Digital High Sensor

Digital High Sensors are the new pH sensors with internal chip that store parameters, date of last calibration, model and production batch of the electrode.

After a new calibration of the DHS electrode the data is automatically stored in the electrode chip. If we move this electrode to another DHS-enabled instrument, we can start working immediately and with extreme security as the data from the last calibration will automatically be transferred and used for pH measurements.

New DHS pH sensors do not have an internal battery so they can be stored as a normal pH electrode and do not use special connectors but a normal BNC.



## How to order:

### PC 7 VIO

### codice

With digital pH electrode 201 T DHS and conductivity cell 2301T, both with integrated temperature sensor and cable 1 m	50110752
With pH electrode 201 T DHS and conductivity cell 2301T, both with integrated temperature sensor and cable 1 m	50110712
Without pH electrode. With conductivity cell 2301 T, temperature sensor NT55, S7-BNC cable and accessories	50110722
Without pH electrode and without conductivity cell. with temperature sensor NT55, S7-BNC cable and accessories	50110742

# PC 70 *Vio*

pH - mV - ORP - Cond - TDS - Salinity - Temperature

## ...only on PC 70 Vio

- GLP functions: Date and time, recall of calibration data and function "Calibration due".
- Data logger up to 1000 datas, automatic and manual, PC connect via micro-USB
- Data-Link + software available from [www.xsinstruments.com](http://www.xsinstruments.com).
- Automatic brightness regulation, for long battery life.



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



## A comfortable portable laboratory.

The instrument is supplied in a practical kit which includes:  
Field support with 3 holes for electrodes, colored buffer solutions of pH and conductivity, USB cable and power supply (70 Vio series only), instructions for use and plastic carrying case.

Time	Value	MAU.	Temp	MAU.	MTC/ATC	DHS
4:53:40	7,00	pH	25,0	°C	MTC	
4:53:40	7,00	pH	25,0	°C	MTC	
4:53:42	7,00	pH	25,0	°C	MTC	
4:53:43	7,00	pH	25,0	°C	MTC	
4:53:44	9,54	pH	25,0	°C	MTC	
4:53:45	10,51	pH	25,0	°C	MTC	
4:53:46	10,51	pH	25,0	°C	MTC	
4:53:47	10,51	pH	25,0	°C	MTC	
4:53:48	10,51	pH	25,0	°C	MTC	
4:53:50	6,40	pH	25,0	°C	MTC	
4:53:51	6,40	pH	25,0	°C	MTC	
4:53:51	6,40	pH	25,0	°C	MTC	

### DATA LINK +

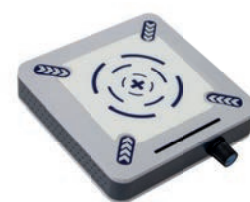
The software allows remote control of the instrument in measure mode. It Shows all information relating to the instrument and calibrations, data export at the end of the analysis (also in Excel and PDF format) and the display of measurements in the table and in graphic.

## How to order:

PC 70 VIO	codice
With digital pH electrode 201 T DHS and conductivity cell 2301T, both with integrated temperature sensor and cable 1 m	50110872
With pH electrode 201 T DHS and conductivity cell 2301T, both with integrated temperature sensor and cable 1 m	50110812
Without pH electrode. With conductivity cell 2301 T, temperature sensor NT55, S7-BNC cable and accessories	50110822
Without pH electrode and without conductivity cell, with temperature sensor NT55, S7-BNC cable and accessories	50110842

**Data sheet**

	PC 7 Vio	PC 70 Vio
<b>pH</b> Measuring range	0 ... 14,00	-2,00...16,00
Resolution / Accuracy	0,1, 0,01 / +0,02	
Calibration points	1...3 automatic + 2 custom	
Recognized buffers	USA, NIST	
DHS sensor recognition	Yes	
<b>mV</b> Measuring range	-1000 ... +1000	-1000 ... +1900
Resolution:	1	0,1 / 1
<b>ORP</b> Calibration points	1 point = 475 mV	
<b>COND</b> Measuring range	0,00 ... 200 mS	
Resolution	0,01 - 0,1 - 1 $\mu$ S / mS (automatic)	
Accuracy	$\pm$ 2% f.s.	
Calibration points	1...5 automatic + 1 custom	
Recognized buffers	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	
Buffer indication	Yes	
<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
Buffer indication	Yes	
Calibration report	Yes	
Stability filter	Low - Nor - High	
Internal memory	-	1000 Data
Display	High definition backlight colored LCD	
Brightness settings	Manual	Automatic / Manual
IP protection	IP 57	
Output	-	Micro USB
Power	3 batteries AA 1,5 V	
Working conditions	T= 0 ... +45 °C / H = < 95 %	
Dimensions / Weight	185 x 85 x 45 mm / 400 g	



**ST 10 magnetic stirrer**

cod: 50000132



**201 T DHS**

Digital pH electrode with DHS technology.  
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: 10 $\mu$ S...200 mS  
cod: 50004002



**Buffer solutions**

Certified standard solution of pH,  
Conductivity and Redox.  
Different formats available.



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