



80^{PRO} SERIES

LABORATORY
ANALYTICAL INSTRUMENTS

pH - mV- Orp - ISE - Conductivity - TDS - Salinity - Resistivity - Temperature

XS Instruments is pleased to introduce the new 8 PRO and 80 PRO line of laboratory instruments.

Instruments made in Italy, aligned with the highest technological standards at an extremely competitive price.

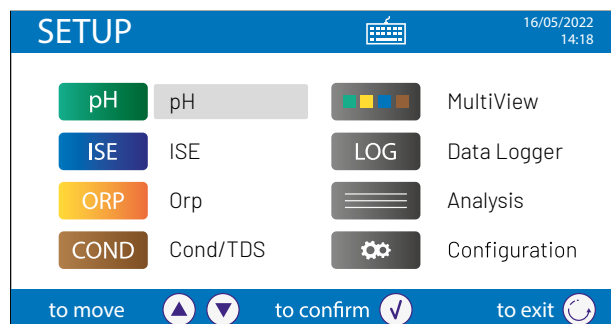


WARRANTY
3
YEARS



MAIN FEATURES

- **Simultaneous display** up to 6 parameters of user's choice;
- **Selectable resolution:** 0.1/0.01/0.001 pH; automatic scaling for COND;
- Automatic and manual **pH** calibration up to **5 points**;
- Automatic **ISE** calibration up to **5 points**;
- Automatic or manual **ORP** calibration on **one point**;
- Automatic **COND** calibration up to **4 points** and manual 1 point;
- **Ultra-pure water compensation** for low conductivity measurements;
- **Conductivity cell** with 2 and 4 rings;
- Selectable cell constant **0.1 / 1.0 / 10**;
- **Data recall** of last calibration;
- Graphical display of **electrode condition**;
- **Min-Max alarm** thresholds setting for pH and ORP parameters;
- **Analog** view;
- **Calibration due** alarm;
- **Data logger** up to **8,000 GLP records**, downloadable on PC or printer;
- Free **"DataLink+" software** for data management to PC;
- **Multilanguage:** Ita - Eng - Deu - Fra - Esp - Por;
- **USB** connection for PC and **RS232** for printer;



New setup menu



Admin
Full management



Responsible
Partial management



User
Safe use



ADVANCED USER MANAGEMENT

The new advanced user management system includes **4 levels of access**, for 15 total profiles, with different privileges:

ADMIN - RESPONSIBLE - USER - GUEST

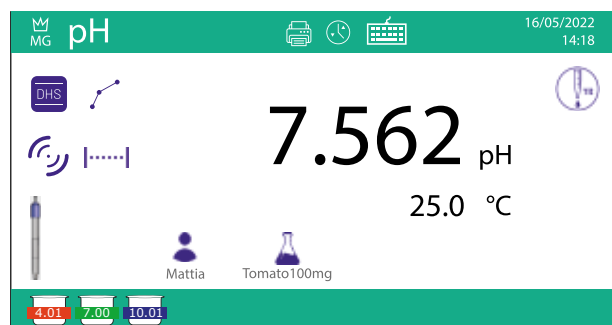
Through the **Datalink+ software**, available free of charge at www.xsinstruments.com, it can be viewed the **complete audit trail** with calibration information, parameter settings and active users.

GRAPHIC DISPLAY

The 8/80 PRO Series features a large, backlit, 4.3 inch color display that allows all information to be read clearly.

Calibration points, electrode status, user and sample data, working and connection mode, logger type, date and time are displayed.

The smart interface and multilingual menu (6 selectable languages) make these tools extremely easy to use.



Measurement screen



4 RINGS CELL



The 80 PRO Series allows the use of the **4-ring** conductivity cell, enabling accurate measurements over the entire scale using a single sensor.

MultiView					16/05/2022 14:18	
pH	7,000	pH	25,0 °C			
mV	0,0	mV	25,0 °C			
ISE	0,00	mV	25,0 °C			
Cond	12.880	µS/cm	25,0 °C			
TDS	0,00	mg/l	25,0 °C			
SAL	0,00	ppm	25,0 °C			

SETUP		16/05/2022 14:18	
Sample ID	Tomato 100mg		
User ID	Mattia g.		
Company name	Giorgio Bormac		
Lot production	223355		
Method	305		
PM name	Mattia		
Laboratory	Clinic		
Environmental condition	60,0 °C - 50% RH		
to move	▲ ▼	to confirm	✓
		to exit	⌂

DATA LOGGER

With four different modes of data saving, the instrument will be autonomous in monitoring the progress of analysis, while the user can focus on other operations in the laboratory:

- Manual Log;
- Automatic Log;
- Log when a Delta is reached;
- Log with Min-Max thresholds;

8 PRO SERIES

MAIN FEATURES

- Selectable resolution: 0.1/0.01/0.001 pH; automatic scale for COND;
- Automatic pH calibration up to 5 points and manual 2 points;
- Automatic ORP calibration on one point (475 mV);
- Automatic COND calibration up to 4 points and manual 1 point;
- Selectable cell constant 0.1 / 1 / 10;
- Data recall of last calibration;
- Graphic display of electrode condition;
- Calibration expiration alarm;
- Data logger up to 1000 GLP data with possibility of sending them to PC or printer;
- Free downloadable "DataLink+" software for data management to PC;
- Multilingual setup menu;
- USB connection for PC connection and RS232 for printer;
- Min-Max alarm thresholds setting for pH and ORP parameters;
- Numeric password for protection of calibration and saved data.

MULTIVIEW

Thanks to the new **Multiview function**, up to a maximum of 6 parameters can be selected in the PC 80 PRO multiparameter to be displayed simultaneously.

The display shows in real time each parameter, measurement value and temperature.

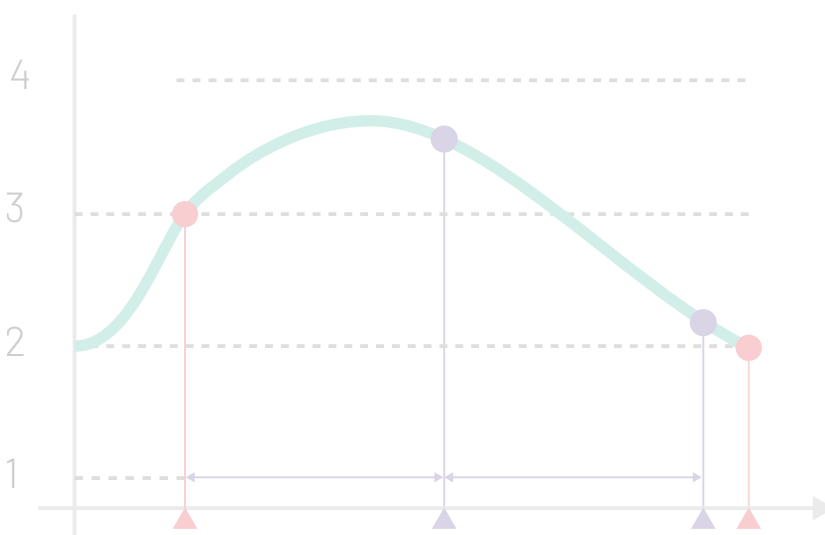
ANALYSIS MENU

Using the Analysis menu, information regarding the sample, batch, user, supervisor, company, method, environmental conditions, etc. can be entered.

CUSTOMIZABLE TEMPLATES

Up to 4 customizable templates to tailor the measurement experience to your liking.

The templates allow you to **select which Analysis menu items to print or export to the DataLink+ software**, so you can customize your analysis reports.



DATA SHEET	80 Pro Series	8 Pro Series
pH measuring range	-2 ... 20	-2 ... 16
Resolution / accuracy	0,1 / 0,01 / 0,001 $\pm 0,002$	
Calibration points	1 ... 5	
Recognized buffers	USA - NIST - DIN - METTLER TOLEDO - MERCK - DIN/NIST + 5 CUSTOM	USA - NIST - DIN + 2 CUSTOM
Indication of calibration points	Yes with icons	
GLP calibration	Yes with date and time	
Electrode status indication	Yes with icons and graph	
Calibration expiration with alarm	Yes	
Measurement stability criteria	Medium - High - Tit (titration)	
Alarm settings	Min - Max	
mV measuring range (ORP) / Resolution	± 2000 0,1 / 1	
ISE measuring range	0,001 ... 19999 ppm	-
Measuring units	Mol/L mg/L g/L	-
Calibration points	2 ... 5	-
COND measuring range	0,00 ... 1000 mS	0,00 ... 500 mS
Resolution	Automatic scale	
Accuracy	$\pm 1\%$ full scale	
COND Calibration points	1 ... 4	
Recognized buffers	84, 147, 1413 μ S, 12,88, 111,8 mS - 1 custom value	
Indication of calibration points	Yes with icons	
Temperature coefficient	Ultra-pure water - 0,00 ... 10,00 %/°C	0,00 ... 10,00 %/°C
Reference temperature	15 ... 30°C	
GLP calibration	Yes with date and time	
Calibration expiration with alarm	Yes	
Cell type	4 rings - 2 rings	2 rings
Cell constant	0,475 - 0,1 - 1 - 10	0,1 - 1 - 10
TDS measuring range	0,1 mg/L ... 500,0 g/L	0,1 mg/L ... 200,0 g/L
TDS Factor/ Accuracy	0,40 ... 1,00 / $\pm 1\%$ full scale	
Salinity measuring range / accuracy	0,01 ... 100 ppt / $\pm 1\%$ full scale	
Resistivity measuring range / accuracy	1 ... 10 M Ω / $\pm 1\%$ full scale	-
Temperature °C measuring range / accuracy	-30,0 ... 130,0 °C / $\pm 0,2$ °C	-20,0 ... 120,0 °C / $\pm 0,2$ °C
Temperature compensation	Auto e manual 0 ... 100 °C (NTC 30 K Ω)	
Temperature calibration	Yes	
Advanced user management	4 levels / 15 profiles	-
Audit trail	Complete	-
Analysis menu	Yes, up to 4 customizable templates	-
Multiview	Up to 6 user-selectable parameters	pH - Cond
Password	Alphanumeric	Numeric
Memory	8,000 data with date and time (Man - Auto - MinMax - Delta)	1,000 data with date and time (Man - Auto)
Display	Colored TFT 4,3"	
Inputs	BNC - RCA - Multipin - Ref (banana 4mm)	BNC - RCA
Connections	2x USB (PC - Keyboard) - RS232 (Printer)	
Selectable languages	Ita - Eng - Deu - Fra - Esp - Por	
Magnetic stirrer	Yes, independent control	
Stirring speed / Capacity	0 ... 3000 rpm / 2 L	
IP rating	IP 54	
Power supply	AC/DC adapter 12 V / 1000 mA	
Dimensions (LxPxA) - Weight	165 x 195 x 68 mm - 1,05 Kg	

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