



**pH 80**

**BENCH TOP pH METER**

**Empowering Precision Elevating Research**

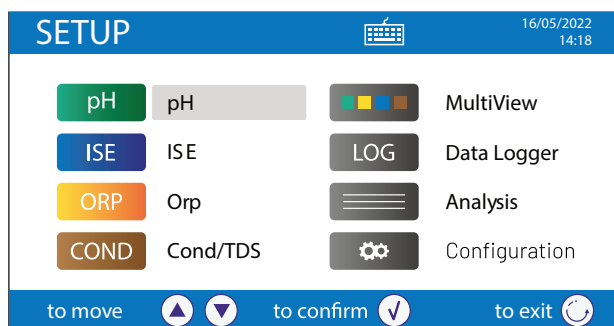


# pH 80

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

## 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:

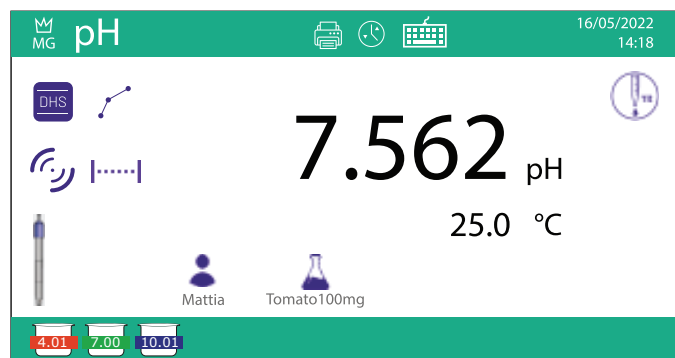
ADMIN - RESPONSIBLE - USER - GUEST

## 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	

## 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

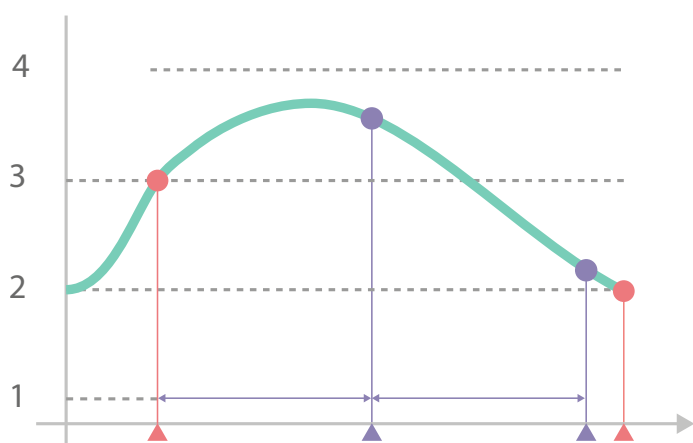
Using the Analysis menu, information regarding the sample, batch, user, supervisor, company, method, environmental conditions, etc. can be entered.

## 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.

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% R H	
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;

# Data Sheet

	8 Pro Series
pH measuring range	-2 ... 20
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
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	$\pm 2000$   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
Resolution	Automatic scale
Accuracy	$\pm 1\%$ full scale
COND Calibration points	1 ... 4
Recognized buffers	84, 147, 1413 $\mu$ 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
Reference temperature	15 ... 30°C
GLP calibration	Yes with date and time
Calibration expiration with alarm	Yes
Cell type	4 rings - 2 rings
Cell constant	0,475 - 0.1 - 1 - 10
TDS measuring range	0,1 mg/L ... 500,0 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 $\Omega$ / $\pm 1\%$ full scale
Temperature °C measuring range / accuracy	-30,0 ... 130,0 °C / $\pm 0,2$ °C
Temperature compensation	Auto e manual 0 ... 100 °C (NTC 30 K $\Omega$ )
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
Password	Alphanumeric
Memory	8,000 data with date and time (Man - Auto - MinMax - Delta)
Display	Colored TFT 4,3 "
Inputs	BNC - RCA - Multipin - Ref (banana 4mm)
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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