

Bench Type pH Meter PH 80 PRO

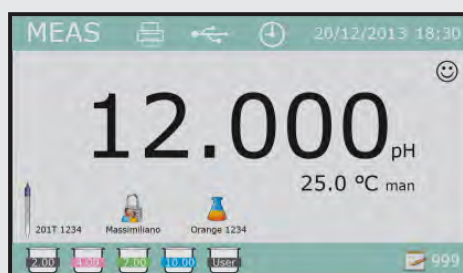


Key Features

- Measurements: pH - redox - temperature - ISE
- CAL TIMER: Schedule the calibration
- Supports DHS digital and analog electrodes
- Ion Selective
- Software GLP DataLink and datalogger
- Direct keyboard input via USB
- Sample and User ID
- Electrode status indicator
- Alphanumeric password
- Audit trail
- Advanced user management (admin, manager, user, and guest); manual and automatic memory modes. Micro-USB connection to PC
- Resolution 0.1 / 0.01 / 0.001 pH
- Temperature Compensation automatic or manual
- Multicolor display with brightness adjustment
- ISE calibration 1-5 points
- Recognized buffers (NIST, USA, DIN) or 5 user-defined points
- GLP function: date and time, calibration data retrieval, and "Calibration expiration" function
- Data logger with 8,000-reading memory capacity; manual and automatic modes
- 2 USB connections for external keyboard and PC, and an RS-232 connection for a printer
- IP54 Protection
- Menu in: ES, EN, FR, DE, IT, PT
- Ability to select the parameters displayed on the screen
- The screen guides you step-by-step through setup and calibration for simple, immediate use.
- Stability indicator and option to select 3 levels
- All operations are constantly displayed at the top of the screen
- Entry of company name, operator, sample ID, and sensor ID via external keypad

Measurement Range

- pH -2.000...20.000 (0.001 pH)
- mV -2000...2000 (0.1 mV)
- ISE 0.001...19999 ppm
- Temperature -20...130.0 (0.1 °C)



Technical Specifications

pH measurement range	-2.00 to 20.00 pH
Resolution	0.1 / 0.01 / 0.001 pH
Precision*	± 0.002 pH
Calibration points	1 - 5
Recognized buffers	USA**, NIST**, DIN**, Mettler Toledo, Merck, 5 user-defined
Calibration point indicator	Yes (buffer value indicator)
Electrode status indicator	Yes, with an icon and a graph
Calibration data indicator	% Pending. Date and time of last calibration
Calibration program	CAL DUE time-based calibration scheduling
Measurement stabilization criterion	Yes, with an icon
Value alarm	Yes, programmable within the desired range of values. Min/max pH alarm
Advanced user management	4 levels / 5 profiles
Alarms	Minimum - Maximum
mV measurement range (redox)	± 2000 mV
Resolution (redox)	0.1 / 1 mV / redox standards: 1 automatic + 1 user-defined
Temperature measurement range	-20 to 130 °C
Resolution / Precision	0.1 °C / ± 0.2 °C
Automatic temperature compensation	Manual or automatic (NTC 30KΩ) 0 to 100°C
Ion-selective measurement range	0.001 to 19999 ppm
Units	mol/l - mg/l - g/l
Calibration points (Ion)	2 to 5
Software GLP	Yes, DataLink (downloadable from www.labprocess.es)
Password (calibration)	Yes, alphanumeric
Datalogger	Manual/Auto 8,000 data points with date and time
Screen	Multicolor with icons, analog or digital measurement
Connections	BNC Temp CINCH RS232 (printer) USB Type A (keyboard) USB Type B (PC) Reference
Language selector	ES, EN, FR, DE, IT, PT
Online Manual	Yes, in English
Magnetic stirrer	Yes, integrated and with independent speed control (0–3000 rpm)
Protection IP	IP54
Power	AC Power Supply - 220/240V - 50 Hz 12V / 1000 mA
Dimensions (mm) / Weight (kg)	165 x 195 x 68 / 1,05 kg

* According to EN 60746-1 under nominal operating conditions ±1 digit. Sensor error not included.

** USA: 1.68 - 4.01 - 7.00 - 10.01 - 12.45 pH / NIST: 1.68 - 4.01 - 6.86 - 9.18 - 12.46 pH / DIN: 1.68 - 4.01 - 6.86 - 9.18 - 12.45 pH not included.