

MW160 MAX

pH/ORP/ISE/Temperature Laboratory Bench Meter



MW160 is a compact and versatile bench meter that can measure up to four different parameters — pH, ORP, ISE (directly in ppm) and temperature. The main operating modes are setup, calibration, measurement and logging. pH calibration can be performed in up to 3 points (using a selection of 7 standard calibration buffers), to improve measurement reliability, even when testing samples with wide differences in pH. ISE calibration can be performed in up to 2 points with 6 standard solutions available. The meter can store up to 50 data sets for each range (pH, ORP, ISE) that can be downloaded to a PC via RS232 or USB.

Other features include:

- Easy to read LCD display
- Relative mV feature
- Internal clock and date to keep track of different time-dependent functions (calibration timestamp, calibration time-out)
- User-selectable time-out alarm to alert the user that too much time elapsed since the last pH calibration
- GLP feature to recall last calibration data for pH and ISE

For accurate measurements use the electrode holder supplied with the meter.

Specifications		MW160 MAX
Range	pH	-2.00 to 16.00 pH
	mV	±699.9 mV / ±2000.0 mV
	ISE	0.001 to 19999 ppm
	Temp	-20.0 to 120.0°C / -4.0 to 248.0°F
Resolution	pH	0.01 pH
	mV	0.1 mV / 1 mV
	ISE	0.001 ppm, 0.01 ppm, 0.1 ppm, 1 ppm
	Temp	0.1°C / 0.1°F
Accuracy (@20°C / 68°F)	pH	±0.01 pH
	mV	±0.2 mV / ±1 mV
	ISE	±0.5% Full scale
	Temp	±0.4°C / ±0.8°F
Relative mV offset		±2000 mV
pH Calibration		up to 3-point pH calibration, with 7 memorized buffers (pH 1.68, 4.01, 6.86, 7.01, 9.18, 10.01 and 12.45)
ISE calibration		1 or 2 points calibration, 6 standard solutions available: 0.01, 0.1, 1, 10, 100, 1000 ppm
Temperature Compensation		automatic from -20.0 to 120.0°C / -4.0 to 248.0°F or manual, without temperature probe
pH Electrode		MA917B/1 (included)
Temperature Probe		MA831R (included)
Logging memory		Up to 50 records for each measurement range (pH, ORP, ISE)
Power Supply		12 VDC adapter (included)
PC connectivity		USB port and RS232 interface
Environment		0 to 50 °C; max RH 95%
Packaging dimensions		335 x 120 x 255 mm
Packaging weight		2.55 kg

Ordering Information:



MW160 MAX is supplied complete with:

- MA917B/1 Double junction refillable pH electrode
- MA831R Stainless steel temperature probe
- M10004B pH 4.01 buffer solution (sachet)
- M10007B pH 7.01 buffer solution (sachet)
- M10010B pH 10.01 buffer solution (sachet)
- M10016B Electrode cleaning solution (sachet)
- MA9315 Electrode holder
- MA9350 RS232 connector cable (2 m)
- Graduated pipette
- 12 VDC adapter
- Instrument quality certificate
- Instruction manual

Accessories

- MA9004 pH 4.01 buffer solution, 230 mL bottle
 MA9007 pH 7.01 buffer solution, 230 mL bottle
 MA9010 pH 10.01 buffer solution, 230 mL bottle
 MA9015 Electrode storage solution, 230 mL bottle
 MA9016 Electrode cleaning solution, 230 mL bottle
 MA9112 pH 12.45 buffer solution, 230 mL bottle



- MA9310 12 VDC Adapter, 220 V
 MA9311 12 VDC Adapter, 110 V
 MA9315 Electrode Holder
 MA917B/1 Glass body, double junction refillable pH electrode
 MA924B/1 Glass ORP electrode
 MA831R Temperature probe
 SE300 Platinum ORP electrode

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