



This high performance economy microprocessor-based pH/ORP/Temp Bench meter is an ideal tool in schools, laboratories and production plants. It is provided with a series of new diagnostic features which add an entirely new dimension to the measurement of pH, by allowing the user to dramatically improve the reliability of the measurement:

- Automatic Temperature Compensation (ATC) for good accuracy under fluctuating temperatures;
- Hold Function freezes reading for easy viewing;
- Easy to read large custom LCD;
- Stability Indicator prompts whenever reading stabilizes;
- 7 memorized buffers (pH 1.68, 4.01, 6.86, 7.01, 9.18, 10.01 and 12.45) for calibration;
- Messages on the LCD to make the calibration easy and accurate;
- User-selectable "calibration time out" to remind when a new calibration is necessary

Mi151 can also measure with ORP electrodes, thanks to its capability to measure mV with a resolution up to 0.1 mV. For accurate measurements, use the electrode holder supplied with the meter.

Specifications	Mi151
Range	pH -2.00 to 16.00 pH mV $\pm 699.9 \text{ mV} / \pm 1999 \text{ mV}$ Temp -20.0 to 120.0°C / -4.0 to 248.0°F
Resolution	pH 0.01 pH mV 0.1 mV / 1 mV Temp 0.1°C / 0.1°F
Accuracy (@20°C)	pH $\pm 0.01 \text{ pH}$ mV $\pm 0.2 \text{ mV} / 1 \text{ mV}$ Temp $\pm 0.4^\circ\text{C} / \pm 0.8^\circ\text{F}$
Typical EMC Deviation	pH $\pm 0.02 \text{ pH}$ mV $\pm 0.2 \text{ mV} / 1 \text{ mV}$ Temp $\pm 0.4^\circ\text{C} / \pm 0.8^\circ\text{F}$
pH Automatic Calibration	1 or 2 point calibration with 7 memorized buffers
Offset Calibration	$\pm 1 \text{ pH}$
Slope Calibration	from 80 to 108%
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)
Environment	0 to 50°C / 32 to 122°F; max RH 95%
Input Impedance	10^{12} Ohm
Power Supply	12 VDC power adapter (included)
Dimensions	230 x 160 x 95 mm
Weight	0.9 kg



Glass Electrode & Temperature Probe

Choose from our wide selection of pH and ORP electrodes at pages 6 and 50.

Custom dual level LCD

Large and easy-to-read Custom dual level LCD Display with simultaneous readings and with user-friendly icons.



Accessories

MA9001	pH 1.68 buffer solution, 230 mL bottle
MA9004	pH 4.01 buffer solution, 230 mL bottle
MA9006	pH 6.86 buffer solution, 230 mL bottle
MA9007	pH 7.01 buffer solution, 230 mL bottle
MA9009	pH 9.18 buffer solution, 230 mL bottle
MA9010	pH 10.01 buffer solution, 230 mL bottle
MA9012	Refilling solution for double junction electrode, 230 mL bottle
MA9015	Electrode storage solution, 230 mL
MA9016	Electrode cleaning solution, 230 mL
MA831R	Temperature probe



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	$\pm 2000 \text{ mV}$ Glass ORP electrode, refillable with BNC connector and 1 meter cable
SE300	Platinum ORP electrode with 1 m cable

Ordering Information

- Mi151 is supplied complete with:
- MA917B/1 Double junction refillable pH electrode
 - MA831R Temperature Probe
 - MA9315 Electrode Holder
 - M10004 pH 4.01 Sachet Buffer Solution
 - M10007 pH 7.01 Sachet Buffer Solution
 - M10010 pH 10.01 Sachet Buffer Solution
 - M10016 Sachet Electrode Cleaning Solution
 - MA9310 12 VDC Adapter
 - Graduate Pipet
 - Instruction manual