

- Years warranty **3**
- MEM**
- ATC**
- MTC**
- Points **2**
- Dual Display**
- Self diagnostics**
- Memorized buffers **7**
- CE**



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 $\pm 699.9$ mV / $\pm 1999$ 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 $\pm 0.01$ pH mV $\pm 0.2$ mV / $\pm 1$ mV Temp $\pm 0.4^\circ\text{C}$ / $\pm 0.8^\circ\text{F}$
Typical EMC Deviation	pH $\pm 0.02$ pH mV $\pm 0.2$ mV / $\pm 1$ 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	$\pm 1$ 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 45.

### 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
- MA921B/1 Platinum ORP electrode with 1 m cable (will be replaced by SE300)
- 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
  - Graduate Pipet
  - 12 VDC Adapter
  - Instruction manual