

Mi105 Portable pH/Temp Meter

- Years warranty **3**
- ATC
- Points **2**
- Dual Display
- Self diagnostics
- CE



Extended Range pH and Temperature Meter in a compact casing

The included electrode has a built-in temperature sensor and amplifier to prevent electrical interference. The large display shows readings in an extended range from -2.00 to 16.00 pH and simultaneously shows temperature from -5.0 to 105.0°C or 23 to 221°F.

The Mi105 has a stability indicator and hold feature that freezes the display for easy and accurate recording. The large display also has graphic symbols to guide you through all operations. The battery life of the meters guarantees over 500 hours of continuous use.

When switched ON it performs a self-check and displays the percentage of the remaining battery level to assure proper working condition. Calibration is performed automatically at 1 or 2 points using standard (pH 4.01, 7.01, 10.01) or NIST buffers (pH 4.01, 6.86, 9.18).

Hard Carrying Case

Each meter is supplied in a hard carrying case ideal for field measurements.



Calibration, Maintenance & Cleaning Solutions

Choose from our wide selection of calibration, maintenance and cleaning solutions at page 52.



Specifications	Mi105	
Range (*)	pH	-2.00 to 16.00 pH
	Temp	-5.0 to 105.0°C / 23.0 to 221.0°F
Resolution	pH	0.01 pH
	Temp	0.1°C / 0.1°F
Accuracy (@25°C)	pH	±0.02 pH
	Temp	±0.5°C up to 60°C; ±1°C outside / ±1°F up to 140°F; ±2°F outside
Typical EMC Deviation	pH	±0.02 pH
	Temp	±0.2°C / ±0.4°F
Temperature Compensation		automatic, from -5 to 80°C
pH Calibration		automatic, 1 or 2 points with 2 sets of memorized buffers (pH 4.01, 7.01, 10.01 or 4.01, 6.86, 9.18)
Probe		MA914BR/1, amplified pH/Temperature probe (included)
Environment		0 to 50°C / 32 to 122°F; max RH 100%
Battery Type		1 x 9V alkaline (included)
Battery Life		approx. 500 hours of use
Auto-off		after 8 minutes of non-use
Dimensions		200 x 85 x 50 mm
Weight		260 g (with battery)

(*) The temperature range is limited to 80°C (176°F) if using the MA914BR/1 probe.



Accessories

- MA914BR/1** Combination amplified pH/Temp probe with BNC & RCA connectors and 1 m cable
- M10000B** Electrode rinse solution, 20 mL (25 pcs)
- M10004B** pH 4.01 buffer solution 20 mL sachet (25 pcs)
- M10007B** pH 7.01 buffer solution 20 mL sachet (25 pcs)

- M10010B** pH 10.01 buffer solution, 20 mL sachet (25 pcs)
- 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
- MA9015** Electrode storage solution, 230 mL
- MA9016** Electrode cleaning solution, 230 mL

Ordering Information

Mi105 is supplied complete with MA914BR/1 pH/Temp amplified probe with 1 meter cable, 20 mL pH 4.01 and 7.01 sachet of calibration solution, 2x20 mL sachet of electrode cleaning solutions, 9V battery and instructions, all in a rugged carrying case.