

SM100/SM101/SM102/SM500

Portable pH/ORP/Temp Meters

Smart portable meters with no frills!

Milwaukee's low cost durable meters for quick and reliable

Milwaukee's Smart meters are manufactured to be easy to use, practical and accurate. Ideal for the classroom, laboratory or for general field use.

- SM100 performs pH measurements with a 0.1 pH resolution and with manual temperature compensation.
- SM101 performs pH measurements with a 0.01 pH resolution and with manual temperature compensation.
- SM102 is a microprocessor based pH/Temperature meter with extended range (-2.00 to 16.00 pH), Automatic Temperature Compensation, automatic calibration in 2 points and ±0.02 pH accuracy.
- SM500 performs ORP measurements with a range of ±1000 mV.

All meters are supplied with pH or ORP electrodes and calibration solutions

Specifications		90	5.72		# 878 # 878
		SM100 pH Meter	SM101 pH Meter	SM102 pH/Temp Meter	SM500 ORP Meter
Range	pH/ORP Temp	0.0 to 14.0 pH	0.00 to 14.00 pH	-2.00 to 16.00 pH -5 to 70°C	±1000 mV
Resolution	pH/ORP Temp	0.1 pH	0.01 pH	0.01 pH 0.1°C	1 mV
Accuracy (@25°C)	pH/ORP Temp	±0.2 pH	±0.02 pH	±0.02 pH ±0.5°C	±5 mV
Typical EMC Deviation	pH Temp			±0.02 pH ±0.5°C	
Temperature Comp Calibration	pensation	manual, 0 to 50°C manual, 2-point through offset and slope trimmers	manual, 0 to 50°C manual, 2-point through offset and slope trimmers	automatic, 0 to 70°C automatic, at 1 or 2 points	
oH Electrode		MA911B/1 (included)	MA911B/1 (included)	MA911B/1 (included)	
ORP Electrode				MARCON (C. L. L. IV	MA921B/1 (included)
Temperature Probe Environment		0 to 50°C. max RH 95%	0 to 50°C, max RH 95%	MA830R (included) 0 to 50°C: max RH 95%	0 to 50°C; max RH 95%
Battery Type		1 x 9V alkaline (included)	1 x 9V alkaline (included)	1 x 9V alkaline (included)	1 x 9V alkaline (included)
Battery Life		approx. 300 hours of use	approx. 300 hours of use	approx. 300 hours of use	approx. 300 hours of use
Auto-off		11	11	after 8 minutes of non-use	1,
Dimensions		145 x 80 x 40 mm	145 x 80 x 40 mm	145 x 80 x 40 mm	145 x 80 x 40 mm
Weight		220 g (with battery)	220 g (with battery)	220 g (with battery)	220 g (with battery)

Accessories

M10004B pH 4.01 buffer solution 20 mL sachet (25 pcs) M10007B pH 7.01 buffer solution 20 mL

sachet (25 pcs) pH 10.01 buffer solution 20 mL M10010B

sachet (25 pcs)

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 Electrode storage solution, 230 mL











MA9016 Electrode cleaning solution, 230 mL M10000B Electrode rinse solution, 20 mL sachet (25 pcs)

MA911B/1 pH electrode with BNC connector and 1 m cable

200-275 mV ORP solution, 230 mL MA9020 bottle

MA921B/1 Platinum ORP electrode with 1 m cable Portable meter wall fixing kit

MA830R Temperature probe

Ordering Information

SM100 and SM101 are supplied complete with a MA911B/1 pH electrode, pH 7.01 20 mL sachet of calibration solution, calibration screwdriver, 9V battery and instructions

SM102 is supplied complete with a MA911B/1 pH electrode, MA830R stainless steel temperature probe, pH 4.01 and pH 7.01 20 mL sachet of calibration solution, 9V battery and instructions.

SM500 is supplied complete with a MA921B/1 platinum electrode, 9V battery and instructions

