MILWAUKEE

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 measurements.

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

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





pH/ORP



Specificat	tions	SM100	SM101	SM 102	\$ B 18
		pH Meter	pH Meter	pH/Temp Meter	ORP Meter
Range	pH/ORP Temp	0.0 to 14.0 pH	0.00 to 14.00 pH	-2.00 to 16.00 p⊢ -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 Compensation		manual, 0 to 50°C	manual, 0 to 50°C	automatic, 0 to 7)°C	
Calibration		manual, 2-point through offset and slope frimmers	manual, 2-point through offset and slope trimmers	automatic, at 1 o 2 points	
pH Electrode		MA911B/1 (included)	MA911B/1 (included)	MA911B/1 (included)	e
ORP Electrode					MA921B/1 (included)
Temperature Probe				MA830R (included)	
Environment		0 to 50°C, max RH 95%	0 to 50°C, max HH 95%	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 V 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				after 8 minutes of non-use	
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 battey)	220 g (with battery)

Accessories

MA830R

M10004B pH 4.01 buffer solution 20 mL sachet (25 pcs) M10007B pH 7.01 buffer solution 20 mL sachet (25 pcs) MA9004 pH 4.01 buffer solution, 230 mL bottle MA9007 pH 7.01 buffer solution, 230 mL bottle MA9015 Electrode storage solution, 230 mL Electrode cleaning solution, 230 mL MA9016 200-2/5 mV ORP solution, 230 mL MA9020 bottle







MA911B/1 pH electrode with BNC connector and 1 m cable (wll be replaced

by SE230) pH electrode with BNC connector SE230(*)

and 1 m cable MA921B/1 Platinum ORP electrode with 1 m cable (will be replaced by SE310) SE310(*) pH electrode with BNC connector

and 1 m cable

(*) Available from the 1st of September 2010

Ordering Information

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

SM102 is supplied complete with a MA911B/1 pH electrode, MA830R stainless steel temperature probe, pH 4.01 and pH /.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.

Temperature probe