Solutions



Calibration. Maintenance & Cleaning Solutions

Calibration, Maintenance & Cleaning Solutions

Milwaukee offers a wide range of calibration, maintenance & Cleaning solutions.

The use of calibration and cleaning solutions is fundamental for the correct use of electrodes and for obtaining the most accurate and reproducible readings. Often readings are not correct because the sensors have not been properly handled.

Milwaukee standard solutions are available in 230 mL bottles and 20 mL sachets.

Traditional buffer solutions are packed in 230 mL leak-proof bottles and are recommended for lab applications.

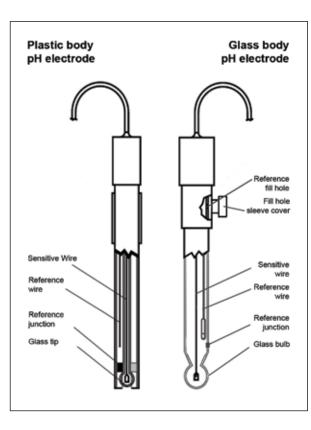
Sachets are sealed against light and air and are ideal for on-thespot calibration.

Simply open, insert the tester or electrode into the sachet and calibrate. Sachets are sold in boxes of 25 pieces.

MA9001	pH 1.68 Calibration Buffer Solution, 230 mL	MA9069	5000 µS/cm Conductivity Calibration Solution, 230 mL
MA9004	pH 4.01 Calibration Buffer Solution, 230 mL	MA9070	Zero Oxygen Solution, 500 mL + 12 g
MA9006	pH 6.86 Calibration Buffer Solution, 230 mL	MA9071	Electrolyte Solution for D.O. Probes, 230 mL
MA9007	pH 7.01 Calibration Buffer Solution, 230 mL	MA9112	pH 12.45 Calibration Buffer Solution, 230 mL
MA9009	pH 9.18 Calibration Buffer Solution, 230 mL	M1000AB	Combination pack of pH buffer solutions, including 10 sachets of M10007
MA9010	pH 10.01 Calibration Buffer Solution, 230 mL		(pH 7.01), 5 sachets of M10000 (rinse), 5 sachets of M10004 (pH 4.01),
MA9011	Refilling Electrolyte Solution 3.5M KCl for pH/ORP electrodes, 230 mL		and 5 sachets of M10010 (pH 10.01); each sachet supplies 20 mL
MA9012	Refilling Electrolyte Solution 1M KNO3, 230 mL, food applications	M10000B	Rinse Solution - Deionized Water (box of 25x20 ml sachet)
MA9015	Storage Solution for pH/ORP electrodes, 230 mL	M10004B	pH 4.01 Calibration Buffer Solution (box of 25x20 ml sachet)
MA9016	Cleaning Solution for pH/ORP electrodes, 230 mL	M10007B	pH 7.01 Calibration Buffer Solution (box of 25x20 ml sachet)
MA9020	200-275 mV ORP Solution, 230 mL	M10010B	pH 10.01 Calibration Buffer Solution (box of 25x20 ml sachet)
MA9060	12880 µS/cm Conductivity Calibration Solution, 230 mL	M10016B	Cleaning Solution for electrodes (box of 25x20 ml sachet)
MA9061	1413 µS/cm Conductivity Calibration Solution, 230 mL	M10030B	12880 µS/cm Calibration Buffer Solution (box of 25x20 ml sachet)
MA9062	1382 ppm TDS Calibration Solution, 230 mL	M10031B	1413 µS/cm Calibration Buffer Solution (box of 25x20 ml sachet)
MA9063	84 µS/cm Conductivity Calibration Solution, 230 mL	M10032B	1382 ppm TDS Calibration Solution (box of 25x20 ml sachet)
MA9064	80000 µS/cm Conductivity Calibration Solution, 230 mL	M10038B	6.44 ppt TDS Calibration Solution (box of 25x20 ml sachet)
MA9065	111.8 mS/cm Conductivity Calibration Solution, 230 mL	M10080B	800 ppm TDS solution (box of 25x20 ml sachet)
MA9066	100% NaCl Calibration Solution, 230 mL		

pH Electrode Storage and Maintenance

CE



pH Electrode Storage and Maintenance

To ensure a quick response and free-flowing liquid junction, the sensing element and reference junction must not be allowed to dry out. The following instructions apply to refillable electrodes. For gel-filled electrodes, consult instruction manual.

Routine Storage

Soak electrode in a pH Electrode Storage Solution (MA9015). If a storage solution is unavailable, pH 4 buffer or pH7.01 may be used. The fill hole should be covered to prohibit evaporation of reference fill solution.

Maintenance

Cleaning your electrode between and after use will help extend the life of your electrode and avoid the cost of early replacement.

Routine Cleaning

Soak electrode in MA9016 cleaning solution for half an hour, followed by soaking it in storage solution (MA9015) for at least two hours.

Weekly Maintenance

Inspect electrodes for scratches, cracks, salt crystal buildup, or membrane/junction deposits.

Rinse off any salt buildup with distilled water, and remove any membrane/junction deposits as directed in cleaning procedures below. The reference chamber should be drained, flushed with fresh filling solution, and refilled.

