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Product Specifications

\$700.00

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Milwaukee MW180 MAX pH/mV/EC/TDS/NaCl Bench Meter with Logging

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BRAND: Milwaukee Instruments

SKU: MW180

RANGE PH: -2.00 to 16.00 pH / -2.000 to 16.000 pH

MV: ± 699.9 mV / ±2000 mV

RANGE EC: 0.00 to 29.99 uS/cm / 30.0 to 299.9 uS/cm | 300 to 2999 uS/cm | 3.00 to 29.99 mS/cm | 30.0 to 200.0 mS/cm, up to 500.0 mS/cm (uncompensated EC)*

RANGE TDS: 0.00 to 14.99 ppm (mg/L) | 15.0 to 149.9 ppm (mg/L) | 150 to 1499 ppm (mg/L) | 1.50 to 14.99 g/L (ppt) | 15.0 to 100.0 g/L (ppt)| up to 400 g/L (uncompensated TDS)*(with 0.80 factor)

RANGE SALINITY: 0.0 to 400.0% NaCl

RANGE TEMPERATURE: -20.0 to 120.0°C | -4.0 to 248.0°F

MANUAL: **Milwaukee MW180 Manual**

QUANTITY

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Details Specifications Reviews

SPECIFICATIONS

pH Range: -2.00 to 16.00 pH / -2.000 to 16.000 pH

mV Range: ± 699.9 mV / ± 2000 mV

EC Range: 0.00 to 29.99 $\mu\text{S}/\text{cm}$ / 30.0 to 299.9 $\mu\text{S}/\text{cm}$

EC Range: 300 to 2999 $\mu\text{S}/\text{cm}$

EC Range: 3.00 to 29.99 mS/cm / 30.0 to 200.0 mS/cm

EC Range: up to 500.0 mS/cm (uncompensated EC)*

TDS Range: 0.00 to 14.99 ppm (mg/L)

TDS Range: 15.0 to 149.9 ppm (mg/L) / 150 to 1499 ppm (mg/L)

TDS Range: 1.50 to 14.99 ppt (g/L) / 15.0 to 100.0 ppt (g/L)

TDS Range: up to 400 g/L (uncompensated TDS)* (with 0.80 factor)

NaCl Range: 0.0 to 400.0%

Temp. Range: -20.0 to 120.00°C (-4.0 to 248.0°F)

pH Resolution: 0.01 pH / 0.001 pH

mV Resolution: 0.1 mV / 1 mV

EC Resolution: 0.01 $\mu\text{S}/\text{cm}$ / 0.1 $\mu\text{S}/\text{cm}$ / 1 $\mu\text{S}/\text{cm}$

EC Resolution: 0.01 mS/cm / 0.1 mS/cm

TDS Resolution: 0.01 ppm (mg/L) / 0.1 ppm (mg/L) / 1 ppm (mg/L)

TDS Resolution: 0.01 ppt (g/L) / 0.1 ppt (g/L)

NaCl Resolution: 0.1%

Temperature Resolution: 0.1°C / (0.1°F)

Accuracy @ 20°C / 68°F

pH: ± 0.01 / ± 0.002 pH

mV: ± 0.2 mV / ± 1 mV

EC: $\pm 1\%$ of reading / ± 0.05 $\mu\text{S}/\text{cm}$ or 1 digit, whichever is greater

TDS: $\pm 1\%$ of reading / ± 0.03 ppm or 1 digit, whichever is greater

NaCl: $\pm 1\%$ of reading

Temperature: $\pm 0.4^\circ\text{C}$ ($\pm 0.8^\circ\text{F}$)

Rel mV offset: ± 2000 mV

Calibration

pH: 1, 2 or 3 calibration points, with 7 memorized buffers: 1.68, 4.01, 6.86, 7.01, 9.18, 10.01 and 12.45

EC/TDS: 1 point slope calibration, 6 standards: 84 $\mu\text{S}/\text{cm}$, 1413 $\mu\text{S}/\text{cm}$, 5.00 mS/cm , 12.88 mS/cm , 80.0 mS/cm , 111.8 mS/cm /

1 point offset calibration: 0.00 $\mu\text{S}/\text{cm}$

NaCl: 1 point, with MA9050 salinity calibration solution

Temperature: 2 points, 0 and 50°C (32 and 122°F)

Temperature Compensation: Automatic or manual from -20.0 to 120.0°C (-4.0 to 248.0°F)

Conductivity temperature coefficient: Selectable 0.00 to 6.00 % / °C (EC and TDS only)

TDS factor: 0.40 to 0.80 / Default value: 0.50

pH Probe: MA917B/1 (included)

Temperature Probe: MA831R (included)

EC Probe: MA814DB/1 (4 ring, included)

Logging-On-Demand: Maximum 50 samples for each range: (pH, mV /Rel mV, EC, TDS, NaCl)

PC Connectivity: RS232/USB opto isolated

Power Supply: 12 VDC adapter (included)

Dimensions: 230 x 160 x 95 mm (9.0 x 6.3 x 3.7 inches)

Environment: 0 to 50°C / 32 to 122°F; max RH 95%

Weight: 0.9 kg / 2.00 lbs.

Warranty: 3 years Meter

*Uncompensated conductivity (TDS) is the conductivity (or TDS) value without temperature compensation.

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Milwaukee PH-START Starter Solution Kit for pH Meters and Testers

\$36.00

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