

Traceable® Portable Conductivity Meter

Quick answers, accurate results on demand

Measuring conductivity quickly doesn't mean sacrificing accurate results or product purity. In an instant, Portable Bench Conductivity Meter automatically selects the proper range and displays the exact answer without hassles. This auto-ranging feature may be turned off to accommodate user-entered ranges. All special calibration data is saved even when turned off. Fulfills all government measurement requirements plus CAP, ASTM, NCCLS, and ACS.

Range in micromhos is 0.01 to 200,000, in megohms is 0.001 to 20.000, range in dissolved solids/parts per million is 0.1 to 20,000 and in salinity is 2.0 to 42.0 (oceanographic units). Accuracy is $\pm 0.3\%$.

Four calibration points may be entered into memory utilizing solution standards

Results are displayed in conductivity (micromhos/cm and microsiemens/cm), resistivity (megohms), dissolved solids (parts per million), concentration (user-specified units), salinity (oceanographic units), and temperature (F/C). Probe is 5 1/4 x 1/2 inches in diameter with a cable length of 59 inches. Temperature compensation is automatic (2% per °C), user-designated (0.000 to 5.000% per °C), or absolute. K-factor may be adjusted to match each probe. Plastic accessory probe is available.

Supplied instant-response probe contains platinum electrodes that deliver highly accurate readings
Internal solid-state thermistor (for automatic/manual temperature compensation) permits all readings to be referenced to the international standard of 25°C. Exclusive "temperature compensation disable function" fulfills USP-NF (United States



Pharmacopoeia, National Formulary, 645 Conductivity Measurement) requirement. Use to check the purity of water from stills and demineralizers; to analyze seawater; and to make up solutions. Simply turn on, insert probe, and read—easiest unit ever designed for routine analysis, quality control, and research. Elimination of "operator technique" permits everyone in the lab to report identical readings. Tough, chemical-resistant ABS housing assures a long life in severe lab or harsh plant environments. Large 1/2-inch-high LCD digits are easy to read.

Traceable® to NIST

To assure accuracy, a certificate is provided to indicate instrument traceability to standards provided by NIST (National Institute of Standards and Technology) from our ISO 17025 calibration laboratory.

Permanent hard copy record

Recorder jack allows continuous monitoring and a permanent record. Adjustable control allows unit to be calibrated to solution standards.

Unit size is 3 3/4 x 6 3/4 x 1 1/2 inches. Weight is 16 ounces. Battery is supplied. Replacement battery Cat. No. 1112.

Cat. No. 4063 Traceable® Portable Conductivity Meter

Cat. No.

ACCESSORIES

4062 Replacement Conductivity Probe— Glass, K = 1 Probe range is 0.05 to 200,000 micromhos.

4061 Accessory Conductivity Probe— Unbreakable Epoxy, K = 1 Probe range is 1.0 to 200,000 micromhos.

(For a list of accessory Flow-Thru Cells see Page 8)

TRACEABLE DIGITAL CONDUCTIVITY METERS

Cat. No.	4063	4163	4168	4169	4070	4075
Description	Portable	Bench	H2O Tester	Dual-Display	Portable	Expanded Range
Range Micromhos/Microsiemens	0.01 to 200,000	0.01 to 200,000	0.1 to 20,000	0.1 to 20,000	0.01 to 200.0	0.01 to 200,000
Range Megohms	0.001 to 20.000	0.001 to 20.000	N/A	N/A	2.00 to 20.00	N/A
Range Dissolved Solids/Parts Per Million	0.1 to 20,000	0.1 to 20,000	N/A	N/A	N/A	0.1 to 120,000
Range Salinity/Oceanographic Units	2.0 to 42.0	2.0 to 42.0	N/A	N/A	N/A	N/A
Accuracy	$\pm 0.3\%$	$\pm 0.3\%$	$\pm 0.4\%$	$\pm (2\% \text{ full scale} + 1 \text{ digit})$	$\pm 0.4\%$	$\pm 0.4\%$
Temperature Compensation	Auto and manual	Auto and manual	Automatic	Auto and manual	Automatic	Automatic
Output	Recorder	Serial	None	Serial	None	Recorder
Size/Inches	3.75x6.75x1.5	8.25x6x3.5	6.25x3.2x1.33	7x3x1.25	3.25x4.5x1.5	5x2.25x5.75

We have access to the complete Traceable line of products. If you need a Traceable product and don't see it in this catalog call us at 1-800-561-3600 and we will get you a price and availability.

Traceable[®] Conductivity Calibration Standards

Use with any meter

Traceable[®] Conductivity Calibration Standards are the most accurate available. Accuracy at 25°C is ±0.25 micromhos for 5 and 10 micromho solutions and ±0.25% for other solutions or the uncertainty shown on the certificate, whichever is greater. Standards are 100% compatible with all makes of equipment.

Individually serial-numbered Traceable[®] Certificate is provided from our ISO 17025, A2LA accredited calibration laboratory. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology). Each bottle is labeled for calibrating conductivity (micromhos), resistivity (ohms), and dissolved solids (parts per million). Supplied complete, each bottle comes with step-by-step calibration instructions, traceability information, individual temperature compensation chart, and Traceable[®] Certificate. Supplied in a 16-ounce glass bottle.



TRACEABLE[®] CALIBRATION STANDARDS

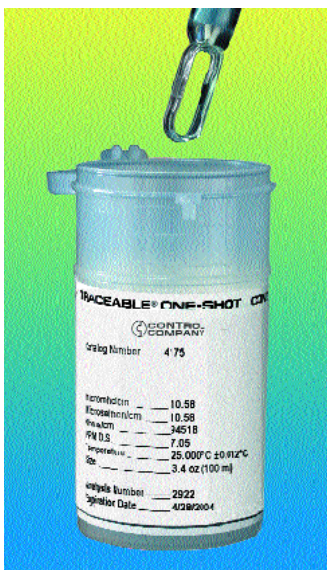
Cat. No. NIST/17025 Cert	Cat. No. NIST/17025 A2LA Cert	Micromhos	Megohms	TDS/PPM
4270	4570	5	0.2	3.3
4065	4565	10	0.1	6.6
4066	4566	100	0.01	66
4067	4567	1000	0.001	666
4173	4573	1413	0.00071	933
4068	4568	10000	0.0001	6666
4069	4569	100000	0.00001	66666

Traceable[®] One-Shot[™] Conductivity Standard

Single-use standards eliminate concern about external container contamination. Calibration is made in the standard's vial. Fits all probes. Extra-large opening (1¾-inches diameter) and extra-large, 3½-inches depth allow probe calibration to take place in the standard's polyethylene container. One-Shot[™] Traceable[®] standards accommodate virtually all conductivity probes and are ideal for lab or field conditions.

Compatible with all meters

One-Shot[™] Traceable[®] Conductivity Calibration Standards are the most accurate available: ±0.25 micromhos for 5 and 10 solutions; other solutions are ±0.25% or the uncertainty shown on the certificate, whichever is greater. Standards are 100 percent compatible with all makes of equipment. Each bottle is labeled for calibrating conductivity (micromhos), resistivity (ohms), and dissolved solids (parts per million).



Traceable[®] to NIST for accuracy

Ultra-accurate solutions are from our ISO 17025 calibration laboratory and are Traceable[®] to standards provided by NIST (National Institute of Standards and Technology). Supplied with individual serial-numbered Traceable[®] Certificate and individual temperature compensation chart. Supplied as a pack of six One-Shot[™] Traceable[®] calibration standards. Each standard contains 100 milliliters.

TRACEABLE[®] CONDUCTIVITY CALIBRATION STANDARDS

Cat. No.	QTY	Micromhos	Megohms	TDS / PPM
4271	6/Pk	5	0.2	3.3
4175	6/Pk	10	0.1	6.6
4176	6/Pk	100	0.01	66
4177	6/Pk	1000	0.001	666
4174	6/Pk	1413	0.00071	933
4178	6/Pk	10000	0.0001	6666
4179	6/Pk	100000	0.00001	66666
4172	6/Pk	Assortment (one each of above, except 4271)		