OAKTON®

Microprocessor-based, waterproof

TDSTestr®+ & ECTestr®+

These waterproof testers operate as either cup style or dip-style testers, and also feature temperature readout!

Unique electrode sensor
Use these testers for either cup-style or dip-style measurements

Temperature readout
Switch from conductivity (or TDS) to °C readings with the touch of a button

Ultra-low resolution models available
TDSTestr Pure+: (0 to 199.9 ppm range; 0.1 ppm resolution) and **ECTestr Pure+:** (0 to 199.9 µS range; 0.1 µS resolution) are ideal for pure water applications

Push-button calibration
calibrate your tester more precisely than trimpot adjustment; no screwdrivers necessary

HOLD function
freezes reading until you can log it

Auto shut-off
turns off tester after 8.5 minutes of nonuse; saves your batteries

Waterproof, dustproof housing
Meets IP67 ratings for highest possible dustproof and waterproof protection. Plus, there's no need to worry if you drop your tester into water—it floats!

Replaceable electrode
you can use the same meter body over and over again, which saves you money

Full reading displayed
no need to multiply the readout to obtain actual test values

Automatic temperature compensation (ATC)
gives you accurate readings even in fluctuating temperatures

Calibration kits available
Featuring everything you need for calibration, measurement and storage of your waterproof TDSTestr



Clockwise from near right:
TDSTestr+ high shown actual size.

Tester operates as either dip-style instrument…

…or as cup style instrument for small samples or holding under running water.

Displays temperature with the touch of a button

Replaceable electrodes save you money

Calibration buttons tucked away in battery compartment to avoid accidental recalibration

Operate as either cup-style or dip-style tester for greater flexibility! The OAKTON TDSTestr™+ and ECTestr™+ can be used either as a conventional dip-style tester, or as a cup-style tester for small samples, or testing water straight from the faucet. Simply calibrate the tester in the method in which you intend to use it. TDSTestr+ models measure both TDS and °C; ECTestr+ models measure both conductivity and °C.

In addition, these rugged pocket-sized testers are completely waterproof and dustproof. And they float–so there's no need to worry if you accidentally drop your instrument into a tank or pond. Thermoplastic body and stainless steel electrodes offer good chemical compatibility and durability.

Choose from six models. TDSTestr+ models measure in ppm or ppt; choose from low range, high range, and ultra low resolution Pure testers. ECTestr+ models measure in µS or mS, and are also available in low, high and Pure models. All testers are supported by a full selection of OAKTON calibration solutions and accessories. See the back of this sheet for ordering information and complete specifications.

OAKTON® ...setting the standard, again and again™

Conductivity Measurement

Calibration solutions are available in economical bottles or convenient single-use pouches (shown below).



Screw cap battery compartment with tight seal ensures waterproof and dustproof protection, protects calibration buttons from accidental recalibration.



Lanyard loop on top of battery cap lets you attach a cord to prevent tester loss.



Belt loop waterproof tester carrying case holds one waterproof tester, features a separate pocket for calibration solution pouches.



Deluxe TDSTestr kit includes TDS "Singles" and all the tools you need for fast calibration and measurement.



Bulletin CON A5 R1

Waterproof TDSTestrs®+ & ECTestrs®+

• Applications •

Industrial applications: Cup-style design is ideal for sampling bleed valves.

Laboratory applications: Use cup-style design for measuring small samples.

TDSTestr+ pure and ECTestr+ pure: Ultra-low resolution is ideal for measuring TDS or conductivity (µS) in freshly distilled water, natural water, drinking water and reverse osmosis systems.

TDSTestr+ low and ECTestr+ low: Use for measuring TDS or conductivity (µS) in natural water. Verify reverse osmosis system operation and tap water quality. Check nutrient solution concentration in hydroponics applications.

TDSTestr+ high and ECTestr+ high: Use for measuring TDS or conductivity (mS) in salt water, waste water, cooling tower water, and boiler condensate. Check nutrient solution concentration in hydroponics applications. Measure salinity in ponds and recirculating systems. Check saline and chemical levels in pools and spas.

• Specifications •

Model	waterproof TDSTestr+ pure	waterproof TDSTestr+ low	waterproof TDSTestr+ high	waterproof ECTestr+ pure	waterproof ECTestr+ low	waterproof ECTestr+ high
Range	0 to 199.9 ppm	0 to 1999 ppm	0 to 10.00 ppt	0 to 199.9 µS	0 to 1999 µS	0 to 19.99 mS
Resolution	0.1 ppm	1 ppm	0.01 ppt	0.1 µs	1 µS	0.01 mS
Accuracy	±1% full-scale					
Calibration	One point push-button calibration (using keys inside battery compartment)					
Calibration standard range	20.0 to 199.9 ppm	200 to 1999 ppm	2.0 to 10.00 ppt	20.0 to 199.9 µS	200 to 1999 µS	2.0 to 19.99 mS
Operating temp	0 to 50°C; 32 to 122°F					
Temperature compensation	Automatic (ATC), 0 to 50°C, 32 to 122°F					
ATC coefficient	Beta=2% per °C, 1.11% per °F, 25°C Reference Temperature					
Power and battery life	Four 1.5 V alkaline batteries Eveready A76BP (supplied) 100 hrs. continuous use (approx. 600 tests per battery pack). Alternate replacement model Eveready 357BP silver oxide, 140 hrs. continuous use.					
Dimensions	Unit only: 6½"L x 1½" dia. (165 x 38 mm); Boxed: 7¼" x 2¾" x 1⅞" (184 x 70 x 48 mm)					
Weight	Unit only: 3.25 oz (90 g); Boxed: 6.0 oz (170 g)					
Wetted materials	316 Stainless Steel (Electrodes) and glass filled thermoplastic polyester					

• Ordering Information •

All + Series TDSTestrs and ECTestrs include batteries and operating instructions.

WD-35661-04 Waterproof TDSTestr+ pure
WD-35661-13 Waterproof TDSTestr+ low
WD-35661-23 Waterproof TDSTestr+ high
WD-35661-06 Waterproof ECTestr+ pure
WD-35661-33 Waterproof ECTestr+ low
WD-35661-43 Waterproof ECTestr+ high

Accessories

WD-35661-08 Replacement electrode sensor, for all + Series TDSTestrs and ECTestrs listed above

WD-35624-45 Waterproof tester belt loop vinyl carrying case—holds one waterproof tester. Features separate pocket to hold calibration solution pouches. Shpg wt 0.5 lbs (227 g)

WD-09377-16 Replacement batteries, 1.5 V, 6/pack

WD-35661-70 Deluxe TDSTestr kit. Includes 2 each calibration pouches 447 µS, 1413 µS, 2764 µS, 15,000 µS, and rinse water; sample jar; miniature screwdriver; foam-lined plastic carrying case; and instructions. Order TDSTestr separately. Shpg wt 0.7 lb (300 g)

Calibration solutions

Catalog Number	Calibration solution type	Conductivity-to-TDS conversion factors		
		ppm KCl	ppm NaCl	ppm 442
Calibration solution pouches. box of 20. Each pouch contains 20 ml of premixed calibration solution. Since the pouches are individually sealed, the solution is guaranteed to be fresh and contaminant free every time. Accuracy ±1% at 25°C. Shpg wt 1 lb. (454 g).				
WD-35653-10	**447 µS**	**225.6**	**215.5**	**300.0**
WD-35653-11	**1413 µS**	**744.7**	**702.1**	**1000**
WD-35653-12	**2764 µS**	**1382**	**1414.8**	**2062.7**
WD-35653-13	**15,000 µS**	**8759**	**8532**	**13,455**
Calibration solution bottles. 1 pint of premixed calibration solution in recyclable-PE bottle. Accuracy ±1% at 25°C. Shpg wt 1.1 lbs (510 g).				
WD-00653-16	**84 µS**	**40.38**	**38.04**	**50.50**
WD-00653-47	**447 µS**	**225.6**	**215.5**	**300.0**
WD-00653-18	**1413 µS**	**744.7**	**702.1**	**1000**
WD-00653-15	**1500 µS**	**757.1**	**737.1**	**1050**
WD-00653-27	**2070 µS**	**1045**	**1041**	**1500**
WD-00653-20	**2764 µS**	**1382**	**1414.8**	**2062.7**
WD-00653-89	**8974 µS**	**5101**	**4487**	**7608**
WD-00606-10	**12,880 µS**	**7447**	**7230**	**11,367**
WD-00653-50	**15,000 µS**	**8759**	**8532**	**13,455**

For our standard waterproof TDSTestrs, request bulletin CON A3. For our microprocessor-based waterproof TDSTestrs and ECTestrs, request bulletin CON A4.

• ORDER FROM •

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