

HI983024 • HI983044

TDS and EC Testers

- Waterproof
- Automatic temperature compensation (ATC)
- Automatic one-point calibration
- Measurement stability indicator
- Temperature measurement

The Pool Line HI983024 (TDS) and HI983044 (EC) are ideal for monitoring pools and spas.

These Pool Line testers feature an amperometric graphite electrode that provides improved repeatability in measurements, since it does not oxidize. An amperometric measurement of EC/TDS is based on Ohm's Law, $I = V/R$, where R depends on the distance between two pins and their surface. Oxidation changes both the distance and surface, which will directly affect accuracy. The non-oxidizing graphite pins are able to provide an optimal surface for accurate, dependable results.

When calibration is needed, simply submerge the electrode tip into calibration solution and the meter will auto calibrate.



Specifications	HI983024	HI983044	
TDS	Range	0.00 to 10.00 ppt (g/L)	-
	Resolution	0.01 ppt (g/L)	-
	Accuracy (@25°C/77°F)	±2% F.S.	-
	TDS Factor	0.5	-
EC	Range	-	0.00 to 20.00 mS/cm
	Resolution	-	0.01 mS/cm
	Accuracy (@25°C/77°F)	-	±2% F.S.
Temperature	Range	0.0 to 50.0°C/32.0 to 122.0°F	
	Resolution	0.1°C / 0.1°F	
	Accuracy (@25°C/77°F)	±0.5°C / ±1.0°F	
Additional Specifications	Calibration Solution	HI70038: 6.44 ppt	HI70030: 12.88 mS/cm
	Calibration	automatic, one-point	
	Temperature Compensation	automatic from 0 to 50°C (32 to 122°F)	
	Battery Type / Life	CR2032 3V Li-ion / approx. 250 hours of continuous use	
	Environment	0 to 50°C (32 to 122°F); RH 100% max	
	Dimensions	160 x 40 x 17 mm (6.3 x 1.6 x 0.7")	
	Weight	75 g (2.6 oz.)	
Ordering Information	<p>HI983024 is supplied with CR2032 battery, 6.44 ppt calibration solution sachet (4), storage/protection sleeve, instruction manual, and quality certificate.</p> <p>HI983044 is supplied with CR2032 battery, 12.88 mS/cm calibration solution sachet (4), storage/protection sleeve, instruction manual, and quality certificate.</p>		