

Thermo Scientific Elite CTS pocket tester with pin/cup sensors

Conductivity, TDS, salinity, and temperature

The Elite CTS pocket tester simultaneously displays conductivity, total dissolved solids (TDS) or salinity with temperature. These measurements are ideal in applications such as environmental, agriculture, aquaculture and aquariums, hydroponics, pools and spas, education, and industrial (cooling towers). Applications in these industries may require a constant measurement of salinity and TDS. Select the cup sensor to read samples using a fillable tester or the pin sensor to read samples using a direct-insert tester.

Specifications		
Conductivity	Range	0.00 to 20.00 mS/cm
	Resolution	0.1 μ S/cm: 0.0 to 200.0 μ S/cm, 1 μ S/cm: 200 to 2000 μ S/cm, 0.01 mS/cm: 2.00 to 20.00 mS/cm
	Relative accuracy	$\pm 1\%$ of full scale
	Normalization temperature	25.0°C
	Temperature coefficient	0.0 to 10.00%
	Calibration points	Up to 3 points
TDS	Range	0.00 to 10.00 ppt (depending on TDS factor)
	Resolution	0.1 ppm: 0.0 to 100.0 ppm, 1 ppm: 100 to 1000 ppm, 0.01 ppt: 0.10 to 10.00 ppt
	Relative accuracy	$\pm 1\%$ full scale
	Calibration points	Up to 3 points
	TDS factor	0.40 to 1.00
Salinity	Range	0.00 to 10.00 ppt
	Resolution	0.10 ppt
	Relative accuracy	$\pm 1\%$ of full scale
	Calibration point	One
Temperature	Range	0 to 60.0°C, 32.0 to 140.0°F
	Resolution	0.1°C, 0.1°F
	Accuracy	$\pm 0.6^\circ\text{C}$, $\pm 1.0^\circ\text{F}$: 0.0 to 50.0°C, $\pm 1.1^\circ\text{C}$, $\pm 1.9^\circ\text{F}$: 50.1 to 60.0°C
	Compensation	Yes (ATC)
Accessories	Calibration window	$\pm 5.0^\circ\text{C}$, $\pm 9.0^\circ\text{F}$
Replacement CTS sensor, soft carry case, lanyard, clear sample/storage cap, AAA batteries		

CTS pocket tester with pin sensor

CTS pocket tester with cup sensor

Ordering Information	
Product Description	Cat. No.
Pocket tester	
Thermo Scientific Elite CTS pocket tester with pin sensor kit	ELIRECTSPINKIT
Replacement CTS pin sensor	01X001526
Thermo Scientific Elite CTS pocket tester with cup sensor kit	ELIRECTSCUPKIT
Replacement CTS cup sensor	01X001528
Conductivity/TDS standard solutions and pouches	
1413 μ S/cm conductivity standard, 692 ppm as NaCl TDS standard, 10 x 15 mL pouches	01100710
1413 μ S/cm conductivity standard, 692 ppm as NaCl TDS standard, 5 x 60 mL bottles	011007
12.9 mS/cm conductivity standard, 7230 ppm as NaCl TDS standard, 10 x 15 mL pouches	01100610
12.9 mS/cm conductivity standard, 7230 ppm as NaCl TDS standard, 5 x 60 mL bottles	011006

For General and Environmental specifications, please see table on page 9.