

# Eutech Expert CTS Pocket Testers

## Conductivity, TDS, salinity, and temperature

The Eutech Expert CTS Pocket Tester accurately measures conductivity, total dissolved solids (TDS), salinity, and temperature in one instrument, making it an ideal solution for many applications.

- Automatic calibration with 84  $\mu\text{S}/\text{cm}$ , 1413  $\mu\text{S}/\text{cm}$  or 12.88  $\text{mS}/\text{cm}$  conductivity standards
- Linear temperature compensation

### Applications:

- Hydroponics
- Agriculture
- Aquaculture and aquariums
- Pools and spas
- Education
- Cooling towers



Specifications		
Measuring parameter		Conductivity, TDS, salinity, °C, °F
Conductivity	Range	0.00 to 20.00 $\text{mS}/\text{cm}$
	Resolution	10 $\mu\text{S}/\text{cm}$ : 0 to 1990 $\mu\text{S}/\text{cm}$ , 0.10 $\text{mS}/\text{cm}$ : 2.00 to 20.0 $\text{mS}$
	Relative accuracy	$\pm 2\%$ full scale
	Automatic calibration values	84 $\mu\text{S}/\text{cm}$ , 1413 $\mu\text{S}/\text{cm}$ , 12.88 $\text{mS}/\text{cm}$
TDS	Range	0.00 to 20.00 ppt
	Resolution	10 ppm: 0 to 1990 ppm, 0.10 ppt: 2.00 to 20.0 ppt
	Relative accuracy	$\pm 2\%$ of full scale
	TDS factor	0.40 to 1.00 (selectable)
Salinity	Range	0.0 to 10.0 ppt
	Resolution	0.1 ppt
	Relative accuracy	$\pm 2\%$ of full scale
No. of calibration points		One calibration point per independent parameter
Temperature	Range	0 to 50.0°C; 32.0 to 122.0°F
	Resolution	0.1°C, 0.1°F
	Relative accuracy	$\pm 0.6^\circ\text{C}$ , $\pm 1.0^\circ\text{F}$
	Automatic temp. compensation	Yes
General	Power	Includes (4) batteries (A76 or LR44 equivalent)
	Auto shutoff	8.5 min after last key press
	Battery life	75 hours (average)
	Relative humidity	5 to 85% non-condensing
	Operating temp.	5 to 45°C
	Ingress protection	IP67 rating; waterproof
	Dimensions (L x W x H)	17 x 4.5 x 3 cm

### Ordering Information

Product Description	Cat. No.
<b>Pocket Tester</b>	
Eutech Expert CTS Pocket Tester, batteries	EXPERTCTS
<b>Conductivity standard solutions and sachets</b>	
84 $\mu\text{S}/\text{cm}$ KCl conductivity standard, 480 ml	ECCON84BT
1413 $\mu\text{S}/\text{cm}$ KCl conductivity standard, 480 ml	ECCON1413BT
12.88 $\text{mS}/\text{cm}$ KCl conductivity standard, 480 ml	ECCON1288BT
1413 $\mu\text{S}/\text{cm}$ KCl conductivity standard, box of 20 x 20 ml sachets	ECCON1413BS
<b>TDS 442 standard solutions</b>	
300 ppm 442 TDS standard, 480 ml	EC442300BT
1000 ppm 442 TDS standard, 480 ml	EC4421000BT
3000 ppm 442 TDS standard, 480 ml	EC4423000BT
<b>Salinity (NaCl) standard solution</b>	
5 ppt NaCl salinity standard, 480 ml	ECNACL5PPT
<b>Accessories</b>	
Replacement clear cap for samples and storage	EXPERTCAP