

thermo scientific



# Thermo Scientific™ Eutech™ Expert Series Waterproof Testers

Accurate, on-the-go solutions  
for water analysis



**ThermoFisher**  
SCIENTIFIC

# Thermo Scientific™ Eutech™ Expert pH & Expert CTS Testers

## Main Features

- User friendly • One year warranty • Large 4 digit double line display
- Simultaneous temperature display • Battery life, ready & calibration indicators
- Automatic temperature compensation • Auto pH buffer recognition & calibration



Lanyard provision enables easy transport for on-the-go measurement



Easy battery replacement – No special tools required



Pocket tester floats & meets waterproof IP67 rating



Cap secures to the top of the tester when not in use



Wide, stable base allows the tester to stand independently



### Display:

- Large 4 digit double line display and wide viewing angle make it easy to read and record measurements
- Battery life, ready, and calibration indicators simplify measurement and pocket tester maintenance
- Simultaneous display of temperature; user selectable °C or °F

### Keypad:

- Easy to operate and intuitive user interface with power, calibration, menu and enter keys
- One push calibration: Immerse sensor in calibration solution and press “Cal”
- Auto pH buffer recognition and calibration

### Cap:

- Gasketed o-ring seal on Eutech Expert pH tester prevents leaks during measurement and storage
- Transparent cap with a fill line indicator for measurement and calibration – no beakers or sample cups needed
- New symmetrical cap can face forward or backward

### Additional Features:

- Automatic Temperature Compensation for greater accuracy
- Auto off function after 8.5 minutes of non-use to extend battery life
- Multi-language instructions available
- Acrylonitrile Butadiene Styrene (ABS) plastic body is durable and chemically resistant

# Thermo Scientific™ Eutech™ Expert pH Testers

## pH/Temperature

Simultaneously measure pH and temperature with the Thermo Scientific Eutech Expert pH testers, a pocket sized tester designed to provide accurate measurements on the go for a variety of applications, including hydroponic gardening, aquaculture, agriculture, pools, lab work, and other water applications.

- Auto-buffer recognition and auto-calibration make on-site calibration quick and easy
- 3-point calibration allows the tester to accurately measure pH across the acid and alkali ranges
- $\pm 0.1\%$  accuracy

**Applications:** • Hydroponics • Agriculture • Aquaculture & Aquariums • Pools & Spas • Education • Cooling Towers • Water Treatment • Environmental Monitoring • Food & Beverage Manufacturing • Printing and more!



Specifications		
Measuring Parameter	pH / °C / °F	
pH	Range	0.0 to 14.0 pH
	Resolution	0.1 pH
	Relative Accuracy	$\pm 0.1$ pH
No. of Cal Points		1 to 3 points
Temperature	Range	0 to 50.0 °C 32.0 to 122.0 °F
	Resolution	0.1 °C / 0.1 °F
	Relative Accuracy	$\pm 0.5$ °C / $\pm 0.9$ °F +1 LSD
	Automatic Temp. Compensation	Yes
General	Power	Includes (4) batteries (A76 or LR44 equivalent)
	Auto Off	8.5 mins after last key press
	Operating Temp.	5 to 45 °C
	Ingress Protection	IP67 rating; waterproof
	Dimensions (LxWxH)	17 x 4.5 x 3 cm

### Ordering Information

Order Code	Product Description
<b>Pocket Tester</b>	
EXPERTPH	Expert pH pocket tester, batteries
<b>pH Buffer Solutions</b>	
ECBU4BT	Colourless pH 4.01, 480 mL
ECBU7BT	Colourless pH 7.00, 480 mL
ECBU10BT	Colourless pH 10.01, 480 mL
ECPHBUFKIT	Colourless pH buffer set, pH 4.01, 7.00, 10.01, 480 mL each
<b>pH Buffer Sachets</b>	
ECBU4BS	pH 4.01 (NIST traceable), box of 20 x 20 mL sachets
ECBU7BS	pH 7.00 (NIST traceable), box of 20 x 20 mL sachets
ECBU10BS	pH 10.01 (NIST traceable), box of 20 x 20 mL sachets
ECRINWT	pH deionized water (NIST traceable), box of 20 x 20 mL sachets
ECBU4710R	pH buffer sachet set, pH 4.01, 7.00, 10.01, deionized water, 5 x 20 mL each
<b>Storage &amp; Cleaning Solutions</b>	
ECRE005	Storage solution for pH sensor, 480 mL
ECDPCBT	Protein remover solution, 480 mL
<b>Accessories</b>	
EXPERTCAP	Replacement clear cap for samples & storage

# Thermo Scientific™ Eutech™ Expert CTS Testers

Conductivity/TDS/Salinity/Temperature

The Thermo Scientific Eutech Expert CTS tester accurately measures conductivity, TDS, and salinity in one single instrument, making it an ideal solution for many applications.

**Applications:** • Hydroponics • Agriculture • Aquaculture & Aquariums • Pools & Spas • Education • Cooling Towers • Water Treatment • Environmental Monitoring • Food & Beverage Manufacturing • Printing and more!



Specifications		
Measuring Parameter		Conductivity / TDS / Salinity / °C / °F
Conductivity	Range	0.00 to 20.00 mS/cm
	Resolution	10 µS/cm below 2.00 mS/cm, 0.10 mS/cm above 2.00 mS/cm
	Relative Accuracy	±2 % full scale ±1 LSD
	Automatic Calibration Values	84 µS/cm, 1413 µS/cm, 12.88 mS/cm
TDS	Range	0.00 to 20.00 ppt
	Resolution	10 ppm below 2.00 ppt, 0.10 ppt above 2.00 ppt
	Relative Accuracy	±2 % full scale ±1 LSD
	TDS Factor	0.40 to 1.00 (selectable)
Salinity	Range	0.0 to 10.0 ppt
	Resolution	0.10 ppt
	Relative Accuracy	±2 % of full scale ±1 LSD
No. of Cal Points		One calibration point per parameter
Temperature	Range	0 to 50.0 °C; 32.0 to 122.0 °F
	Resolution	0.1 °C / 0.1 °F
	Relative Accuracy	±0.5 °C / ±0.9 °F + 1 LSD
	Automatic Temp. Compensation	Yes
General	Power	Includes (4) batteries (A76 or LR44 equivalent)
	Auto Off	8.5 mins after last key press
	Operating Temp.	5 to 45 °C
	Ingress Protection	IP67 rating; waterproof
Dimensions (LxWxH)		17 x 4.5 x 3 cm

Ordering Information		
Order Code	Product Description	
<b>Pocket Tester</b>		
EXPERTCTS	Expert CTS pocket tester, batteries	
<b>Conductivity Standard Solutions &amp; Sachets</b>		
ECCON100BT	100 µS/cm KCl, 480 mL	
ECCON1413BT	1413 µS/cm KCl, 480 mL	
ECCON1288BT	12.88 mS/cm KCl, 480 mL	
ECCON1413BS	1413 µS/cm KCl, box of 20 x 20 mL sachets	
<b>TDS 442 Standard Solutions</b>		
EC442300BT	300 ppm 442, 480 mL	
EC4421000BT	1000 ppm 442, 480 mL	
EC4423000BT	3000 ppm 442, 480 mL	
<b>Salinity (NaCl) Standard Solutions</b>		
ECNACL5PPT	5 ppt NaCl, 480 mL	
<b>Accessories</b>		
EXPERTCAP	Replacement clear cap for samples & storage	



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