Thermo Scientific Eutech Elite Series Waterproof Pocket Testers

Accurate, on-the-go solutions
for water analysis

ThermoFisher
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Thermo Scientific Eutech Elite Series Pocket Testers

- 1-push calibration • Large 4-digit double line display • Backlit graphic display • Auto-hold readings
- IP67 waterproof rating • Easy-to-operate, intuitive keypad • Transparent wide-base cap with fill line
- 1 year warranty • AAA battery powered

Lanyard provision for on-the-go measurement

Carry soft-case kit for accessory organization

Includes (4) AAA batteries for operation and easy replacement

Easy-to-replace sensor

Wide, stable base allows the tester to stand independently

Display:
- Large double line LCD display with backlight
- Display closer to surface of tester for a better viewing angle
- Simultaneous display of measurement and temperature

Keypad:
- Easy-to-operate user interface with the addition of the ☰ MENU key
- 1 push calibration

Cap:
- Leakproof
- Fill-line indicator for measurement
- Wider, stable base to stand the tester upright

Additional Features:
- Bluetooth™ low energy (BTLE) enabled (optional)
- Multi-language instructions available
- Pocket tester floats and meets waterproof IP67 rating

Thermo Scientific Eutech Elite pH Pocket Tester

pH/Temperature

The Thermo Scientific™ Eutech™ Elite pH pocket tester features a simultaneous display of pH and temperature. One of the most common scientific measurements in the world today is pH, which measure the alkalinity and acidity of a liquid. Common industries that measure pH range from drinking water and wastewater treatment, chemical production, aquaculture, agriculture research and production, environmental monitoring, chemical and life sciences research, biochemical and pharmaceutical research, electronics production to food processing and other industrial applications.

Specifications		
pH	Range	-1.00 to 15.00 pH
	Resolution	0.01 pH
	Relative Accuracy	±0.01 pH ±1 LSD
	Calibration Points	Up to 3 points
	Buffer Set Standard Selection	USA - 4.01 / 7.00 / 10.01 NIST - 4.01 / 6.86 / 9.18
	Calibration Window	±1.00 pH
	Calibration Type	Point to point
Temperature	Range	0 to 60.0 °C / 32.0 to 140.0 °F
	Resolution	0.1 °C / 0.1 °F
	Accuracy	From 0 to 50 °C (±0.5 °C / ±0.9 °F + 1 LSD) From 50 to 60 °C (±1.0 °C / ±1.8 °F + 1 LSD)
	Compensation	Yes (ATC)
	Calibration Window	±5.0 °C / ±9.0 °F
Accessories	Replacement pH sensor, soft carry case, lanyard, clear sample/storage cap, AAA batteries	

Ordering Information	
Order Code	**Product Description**
Pocket Tester	
ELITEPH	Thermo Scientific Eutech Elite pH pocket tester
pH Buffer Sachets	
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
Storage & Cleaning Solutions	
ECRE005	Storage solution for pH sensor, 480 mL
ECDPCBT	Protein remover solution, 480 mL

Thermo Scientific Eutech Elite
CTS Pocket Tester with Pin/Cup Sensors

Conductivity/TDS/Salinity/Temperature

The Eutech Elite CTS pocket tester simultaneously displays conductivity/TDS/salinity with temperature. These measurements are ideal in applications such as environmental, agriculture, aquaculture & aquariums, hydroponics, pools & spas, education, and industrial (cooling towers). Applications in these industries may require a constant measurement of salinity and total dissolved solids (TDS). The TDS measurement is dependent on the mix of chemical species as well as the concentration while conductivity is only dependent on the concentration of chemical species, measuring the ions carrying an electrical current.

CTS pocket tester
with cup sensor

CTS pocket tester
with pin sensor

Specifications

Conductivity	Range	0.0 to 200.0 µS 200 to 2000 µS 2.00 to 20.00 mS
	Resolution	0.1 µS / 1 µS / 0.01 mS
	Relative Accuracy	±1 % full scale
	Normalization Temperature	25.0 ºC
	Temperature Coefficient	0.0 to 10.00 %
	Calibration Points	Up to 3 points
TDS	Range	0 .0 to 100.0 ppm 100 to 1000 ppm 0.10 to 10.00 ppt (depending on TDS factor)
	Resolution	0.1 ppm / 1 ppm / 0.01 ppt
	Relative Accuracy	±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	±1 % full scale
	Calibration Points	One
Temperature	Range	0 to 60.0 °C / 32.0 to 140.0 °F
	Resolution	0.1 °C / 0.1 °F
	Accuracy	From 0 to 50 °C (±0.5 °C / ±0.9 °F + 1 LSD); From 50 to 60 °C (±1.0 °C / ±1.8 °F + 1 LSD)
	Compensation	Yes (ATC)
	Calibration Window	±5.0 °C / ±9.0 °F
Accessories		Replacement CTS sensor, soft carry case, lanyard, clear sample/storage cap, AAA batteries

Ordering Information

Order Code	Product Description
Pocket Tester	
ELITECTSPIN	Thermo Scientific Eutech Elite conductivity/TDS/salinity pocket tester with pin sensor
ELITECTSCUP	Thermo Scientific Eutech Elite conductivity/TDS/salinity pocket tester with cup sensor
Conductivity Standard Solutions & Sachets	
ECCON84BT	84 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
TDS 442 Standard Solutions	
EC442300BT	300 ppm 442, 480 mL
EC4421000BT	1000 ppm 442, 480 mL
EC4423000BT	3000 ppm 442, 480 mL
Salinity (NaCl) Standard Solutions	
ECPS35STD35	Practical salinity standard, 480 mL
ECPS7STD7	4 practical salinity standard, 480 mL

Thermo Scientific Eutech Elite ORP Pocket Tester

ORP/RMV/Temperature

The Eutech Elite ORP pocket tester features a simultaneous display of the redox measurement with temperature. Oxidation-Reduction Potential (ORP) or Redox potential measurements are used to monitor chemical reactions, to quantify ion activity, or to determine the oxidizing or reducing properties of a solution. Ideal for applications such as hydroponics, food & beverage, environmental, drinking water, wastewater, agriculture, aquaculture & aquariums, pools & spas, education, and industrial (cooling towers).

Specifications		
ORP/RMV	Range	-1000 to 1000 mV
	Resolution	±1 mV
	Relative Accuracy	±2 mV ±1 LSD
	Calibration Points	One
	Calibration Window	±200 mV
	Calibration Type	Off Set
Temperature	Range	0 to 60.0 °C / 32.0 to 140.0 °F
	Resolution	0.1 °C / 0.1 °F
	Accuracy	NA
	Compensation	Manual
	Calibration Window	0 to 60.0 °C / 32.0 to 140.0 °F
Accessories		Replacement sensor, soft carry case, lanyard, clear sample/storage cap, AAA batteries, calibration bottles

Ordering Information	
Order Code	**Product Description**
Pocket Tester	
ELITEORP	Thermo Scientific Eutech Elite ORP pocket tester
Storage & Cleaning Solutions	
ECRE005	Storage solution for pH sensor, 480 mL
ECDPCBT	Protein remover solution, 480 mL

Thermo Scientific Eutech Elite pH and CTS Pocket Tester

pH/Conductivity/TDS/Salinity/Temperature

The Eutech Elite pH and CTS pocket tester simultaneously displays pH, conductivity/TDS/salinity with temperature. This offers a suitable method to measuring multiple parameters with just one meter. This tester can be used with the following applications: hydroponics, food & beverage, environmental, drinking water, wastewater, agriculture, aquaculture & aquariums, pools & spas, education, and industrial (cooling towers).

Specifications		
pH	Range	-1.00 to 15.00 pH
	Resolution	0.01 pH
	Relative Accuracy	±0.01 pH ±1 LSD
	Calibration Points	Up to 3 points
	Buffer Set Standard Selection	USA - 4.01 / 7.00 / 10.01, NIST - 4.01 / 6.86 / 9.18
	Calibration Window	±1.00 pH
	Calibration Type	Point to point
Conductivity	Range	0.0 to 200.0 µS 200 to 2000 µS 2.00 to 20.00 mS
	Resolution	0.1 µS / 1 µS / 0.01 mS
	Relative Accuracy	±1 % full scale
	Normalization Temperature	25.0 ºC
	Temperature Coefficient	0.0 to 10.00 %
	Calibration Points	Up to 3 points
TDS	Range	0.0 to 100.0 ppm 100 to 1000 ppm 0.10 to 10.00 ppt (depending on TDS factor)
	Resolution	0.1 ppm / 1 ppm / 0.01 ppt
	Relative Accuracy	±1 % full scale
	Calibration Points	Up to 3 points
	TDS Factor	0.40 to 1.00 (selectable)
Salinity	Range	0.00 to 10.00 ppt
	Resolution	0.10 ppt
	Relative Accuracy	±1 % full scale
	Calibration Points	One
Temperature	Range	0 to 60.0 ºC / 32.0 to 140.0 ºF
	Resolution	0.1 ºC / 0.1 ºF
	Accuracy	From 0 to 50 ºC (±0.5 ºC / ±0.9 ºF + 1 LSD); From 50 to 60 ºC (±1.0 ºC / ±1.8 ºF + 1 LSD)
	Compensation	Yes (ATC)
	Calibration Window	±5.0 ºC / ±9.0 ºF
Accessories	Replacement sensor, soft carry case, lanyard, clear sample/storage cap, AAA batteries, calibration bottles	

Ordering Information	
Order Code	**Product Description**
Pocket Tester	
ELITEPCTS	Thermo Scientific Eutech Elite pH/conductivity/TDS/salinity pocket tester
Storage & Cleaning Solutions	
ECRE005	Storage solution for pH sensor, 480 mL
ECDPCBT	Protein remover solution, 480 mL
Conductivity Standard Solutions & Sachets	
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
TDS 442 Standard Solutions	
EC442300BT	300 ppm 442, 480 mL
EC4421000BT	1000 ppm 442, 480 mL
EC4423000BT	3000 ppm 442, 480 mL
Salinity (NaCl) Standard Solutions	
ECNACL5PPT	5 ppt NaCl, 480 mL

Thermo Scientific Eutech Elite pH Spear Pocket Tester

pH/Temperature

The Eutech Elite pH Spear pocket tester features a spear tip open pore sensor. This rugged and user-friendly tester is ideal for direct measurement of solid or semi-solid samples such as cheese, meat, fruit, bread and more. Used in applications such as hydroponics, food & beverage, environmental, drinking water, wastewater, agriculture, aquaculture & aquariums, pools & spas, education, and industrial (cooling towers).

Specifications		
pH	Range	-1.00 to 15.00 pH
	Resolution	0.01 pH
	Relative Accuracy	±0.01 pH ±1 LSD
	Calibration Points	Up to 3 points
	Buffer Set Standard Selection	USA - 4.01 / 7.00 / 10.01, NIST - 4.01 / 6.86 / 9.18
	Calibration Window	±1.00 pH
	Calibration Type	Point to point
Temperature	Range	0 to 60.0 °C 32.0 to 140.0 °F
	Resolution	0.1 °C / 0.1 °F
	Accuracy	NA
	Compensation	Yes (MTC)
	Calibration Window	0 to 60.0 °C 32.0 to 140.0 °F
Accessories	Replacement pH sensor, soft carry case, lanyard, clear sample/storage cap, AAA batteries	

Ordering Information	
Order Code	**Product Description**
Pocket Tester	
ELITEPHSPEAR	Thermo Scientific Eutech Elite pH Spear pocket tester
pH Buffer Sachets	
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
Storage & Cleaning Solutions	
ECRE005	Storage solution for pH sensor, 480 mL
ECDPCBT	Protein remover solution, 480 mL

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Common Specifications

General		
	Display	Graphic, dot matrix 80 x 100 pixel
	Backlight	Yes, selectable (30 sec from the last key press)
	Auto Off	8.5 min (from last key press)
	Reset	User / factory
	Hold Function	Yes
	Power Requirements	(4) AAA batteries
	Battery Life	>250 hr (pH, ORP, pH Spear) >150 hr (CTS, PCTS)
	Water Proofing	IP67
	Regulatory Certifications	CE, FCC
Environ-mental Operating Conditions	Ambient Operating Temperature	5 to 45 °C
	Relative Humidity	5 to 85 % non-condensing
	Storage Temperature	-20 to 60 °C
	Storage Humidity	5 to 85 % non-condensing

PCTS Tester

pH Spear Tester

pH Tester

CTS Tester (Pin)

CTS Tester (Cup)

ORP Tester

Find out more at **thermofisher.com/water**

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