Expert series waterproof pocket testers

Accurate, on-the-go solutions
for water analysis

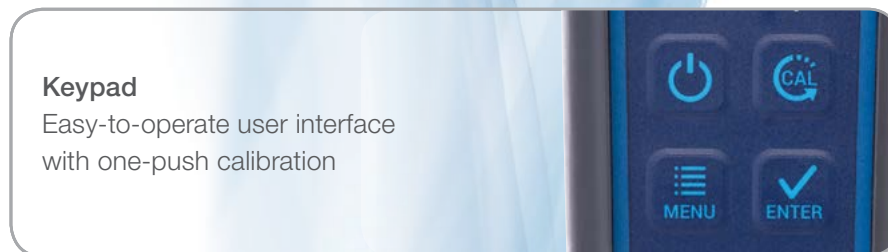# Expert and Elite series pocket testers

Expert pocket tester features
- Budget-friendly option
- Large, double line display
- pH and condutivity models
- Uses 4 x 1.5V micro alkaline batteries
- Average 75-100 hours of battery life
- Leakproof cap with fill line
- Long-lasting sensors
- One-year warranty

Elite pocket tester features
- Flexible testing option
- Large back-lit graphic display
- pH, spear, conductivity, ORP, and pH/conductivity models
- Uses 4 x AAA alkaline batteries
- Average 150-250 hours of battery life
- Wide leak-proof cap serves as stable base
- Replaceable sensors
- One-year warranty for tester (6 month warranty for replacement sensors)

Portable
Lanyard provision for on-the-go measurements

Keypad
Easy-to-operate user interface with one-push calibration

Storage
Wide, stable base allows the tester to stand independently
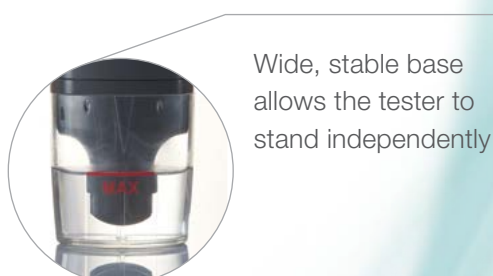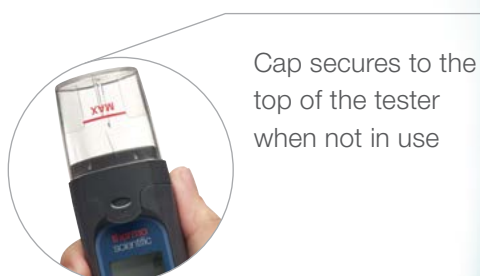
Expert pH
Pocket Tester

Elite pH
Pocket Tester

Expert pH and Expert CTS testers

Main features

- Budget-friendly option

- Large, double line display

- pH and condutivity models

- Uses 4 x 1.5V micro alkaline batteries

- Average 75-100 hours of battery life

- Leakproof cap with fill line

- Long-lasting sensors

- One-year warranty

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

Easy battery replacement—no special tools required

Pocket tester floats and meets IP67 waterproof rating

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

Wide, stable base allows the tester to stand independently

thermo scientific

Eutech **Expert pH**

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 maintenance

- Simultaneous display of temperature; user-selectable °C or °F scale

Keypad:
- Easy to operate, intuitive user interface with power, calibration, menu, and enter keys

- Simple calibration: immerse sensor in calibration solution and press "Cal"

- Auto pH buffer recognition, calibration

Cap:
- Gasketed o-ring seal 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 nonuse to extend battery life

- Multilanguage instructions available

- ABS plastic body is durable and chemically resistant

Expert pH Testers

pH and temperature

Simultaneously measure pH and temperature with the Thermo Scientific™ Expert pH tester, 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 liquid applications.

- Auto-buffer recognition and auto-calibration make onsite calibration quick and easy

- 3-point calibration allows the tester to accurately measure pH across the acid and alkaline ranges

- ±0.1 pH unit

Applications:

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

- Environmental monitoring
- Food and beverage manufacturing
- Printing and more

Specifications		
Measuring parameter		pH, °C, °F
pH	Range	0.0 to 14.0
	Resolution	0.1
	Relative accuracy	±0.1
	Calibration points	1 to 3
Temperature	Range	0 to 50.0°C 32.0 to 122.0°F
	Resolution	0.1°C, 0.1°F
	Relative accuracy	±0.6°C, ±1.0°F
	Automatic compensation	Yes
General	Power	Includes 4 batteries (A76 or LR44 equivalent)
	Battery life	100 hours (average)
	Auto shutoff	8.5 min after last key press
	Operating temp.	5 to 45°C
	Relative humidity	5 to 85% non-condensing
	Ingress protection	IP67 waterproof
	Dimensions (L x W x H)	17 x 4.5 x 3 cm

Ordering information

Product description	Cat. No.
Pocket tester	
Thermo Scientific Expert pH pocket tester, batteries	EXPERTPH
pH buffer pouches	
pH 4.01 buffer (NIST traceable), 25 x 20 mL pouches	910425
pH 7.00 buffer (NIST traceable), 25 x 20 mL pouches	910725
pH 10.01 buffer (NIST traceable), 25 x 20 mL pouches	911025-WA
pH electrode rinse solution, 25 pouches	911125
Storage and cleaning solutions	
Storage solution for pH sensor, 475 mL	910001
Protein remover solution, 4 x 60 mL	900024
Accessories	
Replacement clear cap for samples and storage	EXPERTCAP

Expert CTS testers

Conductivity, TDS, salinity, and temperature

The Thermo Scientific™ Expert CTS 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 µS/cm, 1413 µS/cm or 12.88 mS/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 mS/cm
	Resolution	10 µS/cm: 0 to 1990 µS/cm, 0.10 mS/cm: 2.00 to 20.0 mS
	Relative accuracy	±2% full scale
	Automatic calibration values	84 µS/cm, 1413 µS/cm, 12.88 mS/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	±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	±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	±0.6°C, ±1.0°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.
Pocket tester	
Thermo Scientific Expert CTS pocket tester, batteries	EXPERTCTS
Conductivity/TDS standard solutions and pouches	
1413 µS/cm conductivity standard, 692 ppm as NaCl TDS standard, 10 x 15 mL pouches	01100710
1413 µS/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
Accessories	
Replacement clear cap for samples and storage	EXPERTCAP