



Extech's conductivity meters are used to monitor and maintain the quality of boiler water, waste water and other liquids. Packaged for field use and featured to meet the needs of the water quality technicians.

Featuring Models with:

Multi-function

Includes pH, TDS, and Salinity with Conductivity and Temperature measurements

Temperature Compensation

Automatic and/or Manual Temperature Compensation

PC Interface

Collect and store data for analysis and report generation



<< 407303 Heavy Duty Conductivity Kit

offers a wide conductivity measurement range plus temperature. This meter is rugged enough for field use, but is also supplied with features such as a PC interface and optional software that make it ideal for lab test, documentation, and report generation.

Accessories

Replacement Conductivity Cells

EC405*Spare ExStik™ Conductivity Cell Module for EC400	\$39
804407Replacement Conductivity Cell, 1K Carbon for 407303	\$69
800410Glass Conductivity Cell for 341350 and 341450	\$95
804010Polymer Conductivity Cell for 341350 and 341450	\$95

AC Adaptors

156119117VAC Adaptor for 407303	\$17
156221220VAC Adaptor for 407303	\$17

Carrying Case and Data Acquisition

CA895Small vinyl carrying case with belt loop for EC400.....	\$25
407001Data Acquisition Software & Serial Cable for 407303 (p.75)	\$69
380340Datalogger Module with PC software for 407303 (p.75) ...	\$199

*ExStik™ Conductivity cell is not interchangeable with ExStik™ pH, ORP, and Chlorine models



EC400

\$89

Available Q4 2003

Waterproof ExStik™ Conductivity/TDS/Salinity Meter

One high accuracy multi-range sensor measures four parameters (Conductivity, TDS, Salinity, and Temperature)

- Autoranging meter offers 3 ranges to measure from pure water to salinity solution to waste, boiler and cooling water using the same conductivity cell
- 6 selectable units of measure: μ S, mS, ppm, ppt, mg/L, and g/L
- Analog bargraph indicates trends
- Automatic Temperature Compensation
- Simultaneous display of Conductivity or TDS plus Temperature
- Internal memory stores up to 15 labeled readings for easy recall
- Adjustable Conductivity to TDS ratio factor from 0.4 to 1.0
- Self calibration on power up
- Complete with meter, Conductivity cell*, protective sensor cap, sample cup with cap, four SR44 button batteries, and 48" (1.2m) neckstrap

Specifications

Model	EC400
Conductivity:	0 to 199.9 μ S, 0 to 1999 μ S, 0 to 19.99mS
TDS:	0 to 99.9ppm (mg/L), 0 to 999ppm (mg/L), 0 to 9.99ppt (g/L)
Salinity:	0 to 9.99ppt (g/L)
pH:	—
Temperature:	32° to 149°F (-5 to 65°C)
Max. Resolution:	0.1 μ S, 0.1ppm (mg/L), 0.1°F/°C
Basic Accuracy:	$\pm 1\%$ +1 digit, $\pm 1.8^\circ$ F/1°C
Dimensions/Weight:	1.4x6.8x1.6"(36x173x41mm)/ 3.8oz (110g)
CE:	Yes
Warranty:	1 year
Price:	\$89



407303
\$249

Heavy Duty Conductivity/Temperature Meter

Rugged design Conductivity meter with 3 ranges plus RS-232 PC interface for Datalogging

- Manual or Automatic Temperature Compensation
- Calibration adjust for cell
- Large 1.4" (36mm) LCD display
- Min/Max/Avg, Data Hold, and Auto Power off
- Built-in RS-232 PC interface with optional Data Acquisition Software and Datalogger (See p. 75)
- Complete with conductivity cell on 3.9ft (1.2m) cable, protective holster with stand, 9V battery, and carrying case



341350
\$359

pH/Conductivity with TDS Meter

Exclusive Oyster™ Design can be used in the lab or in the field

- Measures Total Dissolved Solids (TDS) to 19,990ppm (mg/L) plus pH and Conductivity
- 0.5" (13mm) LCD built into adjustable "flip-up" cover
- Front panel slope, calibration and temperature controls
- Rugged design for handheld or benchtop use; neckstrap for "hands-free" operation
- Automatic temperature compensation for Conductivity/TDS via thermistor built into conductivity cell
- Manual Temperature Compensation for pH (0 to 100°C)
- Complete with mini pH electrode, sample buffers, choice of glass (order 341350 Kit) or polymer conductivity cell (order 341350-P Kit), 9V battery, neckstrap, and carrying case



341450
\$399

pH/Conductivity with Temperature Meter

Exclusive Oyster™ Design is ideal for benchtop or field applications

- Measures temperature from -30 to 105°C plus pH and Conductivity
- 0.5" (13mm) LCD built into adjustable "flip-up" cover
- Front panel slope, calibration and temperature controls
- Rugged design for handheld or benchtop use; neckstrap for "hands-free" operation
- Automatic temperature compensation for Conductivity/TDS via thermistor built into conductivity cell
- Manual Temperature Compensation for pH (0 to 100°C)
- Complete with mini pH electrode, sample buffers, choice of glass (order 341450 kit) or polymer conductivity cell (order 341450-P kit), stainless steel temp probe, 9V battery, neckstrap, and case

407303	341350 (Glass)	341350-P (Polymer)	341450 (Glass)	341450-P (Polymer)
0.1 to 199.9µS, 0.2 to 1.999mS, 2 to 19.99mS	10 to 19,990µS/cm	10 to 19,990ppm (mg/L)	10 to 19,990µS/cm	—
—	—	—	—	—
32° to 140°F (0 to 60°C)	0.01 to 14.00pH	0.01 to 14.00pH	0.01 to 14.00pH	—
0.1µS, 0.1°F/°C	10µS, 0.01pH	10µS, 0.01pH, 1°C	10µS, 0.01pH, 1°C	—
±(3%FS+1d), ±1.5°F/0.8°C	±0.5%, ±0.02pH	±0.5%, ±0.02pH, ±0.5°C	±0.5%, ±0.02pH, ±0.5°C	—
7x3x1.3" (178x74x32mm)/ 17oz (482g)	3.7x4.2x2" (96x108x45mm)/ 12oz (340g)	3.7x4.2x2" (96x108x45mm)/ 12oz (340g)	3.7x4.2x2" (96x108x45mm)/ 12oz (340g)	—
Yes	—	—	—	—
3 years	1 year	1 year	1 year	—
\$249	\$359	\$359	\$399	\$399

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Conductivity/
pH/TDS



Extech's pH meters perform with laboratory accuracy and withstand the rigors of field testing. ATC and automatic buffer recognition provide simplicity and repeatable measurements.



Featuring Models with:

pH/mV/Temperature

Three meters in one!

Oyster™ Design

Adjustable display for best viewing angle

Waterproof system

of electrode and meter

Interchangeable probes

Plug in modules available for Chlorine and ORP

<< PH220 Waterproof Palm pH Meter

is available with a stick type electrode for one hand operation, or with a 39" (1m) cable. Easy to use features include: simultaneous display of pH and temperature, automatic buffer recognition and automatic temperature compensation (ATC).

See pages 110-111 for replacement electrodes and other pH accessories



PH103 includes 6 each of pH 4, pH 7, and pH 10 Buffers plus 2 Rinse solutions



650470 includes 10 capsules each of pH 4, pH 7 and pH 10. Each capsule yields 100mL

Accessories

Temperature Probes

850185RTD Stainless Steel Temperature Probe for the Oyster™ \$50
850188Temperature probe, stainless steel for 407227\$49

AC Adaptors and cases

151117-UL .117V AC Adaptor for The Oyster™ pH Meter\$19
152320220V AC Adaptor for The Oyster™ pH Meter\$25
156119117V AC Adaptor for 407227\$17
156221220V AC Adaptor for 407227\$17
409997Pouch Carrying Case for 407227\$19
CA895Vinyl Pouch Carrying Case for PH100\$10



PH100
PH110
From
\$89



Unique gel filled or refillable flat surface electrode design

Waterproof ExStik™ pH Meters

Choice of rugged gel filled or refillable Flat surface pH electrode

- "RENEW" feature alerts user when electrode needs replacement
- PH110 Refillable pH electrode can be reused by refilling the reference solution once it depletes, providing high accuracy
- "CAL" indicator alerts user to recalibrate
- Analog bargraph originates at neutral point (pH 7.00) to conveniently view trends in acidity or alkalinity
- 1, 2 or 3 point buffer calibration; ATC
- Stores/recalls up to 15 labeled readings
- Complete with protective sensor cap, sample cup with cap, four SR44 button batteries, 48" (1.2m) neckstrap
- Select PH100 to include meter with gel filled pH flat surface electrode
- Select PH110 to include meter with refillable flat surface pH electrode, reference junction removal tool; Order PH113 KCl reference kit separately
(See page 102 for more details)

Specifications

Model	PH100	PH110
Waterproof:	Yes	
pH:	0.00 to 14.00pH	
mV:	—	
Temperature:	32° to 194°F (-5 to 90°C)	
Max Resolution:	0.01pH, 0.1°	
Basic Accuracy:	±0.01pH, ±1.8°F/1°C	
PC interface:	—	
Memory:	15 readings	
Dimensions:	1.4x6.8x1.6" (35.6x172.7x40.6mm)	
Weight:	3.8oz (110g)	
CE:	Yes	
Warranty:	1 year (meter only)	
Price:	\$89	\$99