

MC108 Digital Mini Microscope **NEW**

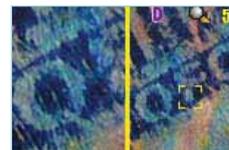
Compact device with TFT color display enlarges, measures and captures images up to 108x

Features:

- Capture and measure images of objects as small as 0.01mm with built in scale
- 1.8" (46mm) TFT color LCD plus 2MB memory displays up to 60 JPEG images
- 7x to 108x magnification range
- Four white LEDs with adjustable brightness for object illumination
- 5 Image Effect and Dual Window View
- Real-time imaging on your PC screen via USB interface and included software
- Dims: 4.7 x 2.2 x 1" (120 x 56 x 25mm); Wt: 2.5oz (70g) without batteries
- Complete with stand, three AAA Ni-MH rechargeable batteries, 100 to 240VAC (50/60Hz) adaptor/charger, Windows® compatible software with mini USB cable, cleaning cloth, and wrist strap



PC board inspection



Dual window view simultaneously displays magnified image next to the original image

Ordering (See p. 21 for specifications)

MC108.....Mini Microscope

PH150-C Concrete pH Kit **NEW**

Flat surface electrode provides fast & easy on-the-spot pH measurements on concrete

Features:

- 3ft (1m) extension cable with probe guard/weight attaches to the Concrete pH Meter for taking measurements on flat concrete surfaces
- Rust-free metal weight probe guard helps keep electrode in contact with the wet concrete surface and protects the electrode
- RENEW indicator tells you when it's time to replace your electrode
- CAL alert tells you it's time to recalibrate
- Memory records and recalls 25 readings
- 1, 2 or 3 point calibration
- Data Hold, Auto power off, and Low battery indication
- Waterproof/dustproof design (IP57)
- Complete with flat surface concrete pH electrode, protective sensor cap, sample cup with cap, plastic stand, 1m extension cable with weighted probe guard, plastic bottle, four 3V CR2032 button batteries, 48" (1.2m) neckstrap, and carrying case



Measure pH level of concrete using a pH meter with a flat surface pH electrode plus a metal weight probe guard for stability and protection

Ordering

PH150-CConcrete pH Kit
PH155.....Spare ExStik® Concrete pH Electrode Module

PH50/PH60 pH Pens

Easy-to-use, low cost waterproof pH pens

Features:

- Waterproof housing
- Easy to calibrate single CAL key with automatic pH buffer recognition (4, 7, and 10pH calibration buffers sold separately)
- Data hold with Low battery indicator
- Auto power off with disable feature
- Complete with built in electrode, sensor cap, inner pH electrode protection cap, and four LR44 button batteries

Specifications	Function	Model PH50	Model PH60
	pH	2.0 to 12.0pH	0.0 to 14.0pH
	Temperature	—	32 to 122°F (0 to 50°C)
	Resolution	0.1pH, 0.1°	0.1pH, 0.1°
	Accuracy	±0.3pH	±0.2pH; ±1°F/±0.5°C
	CE/Warranty	CE approved / 1 year	
	Dimensions	6x1.5x0.9" (152x37x24mm)	
	Weight	2.3oz (65g)	



Model PH50 Measures pH

Model PH60 Measures pH and Temperature Automatic Temperature Compensation

Ordering:

PH50.....Waterproof pH Pen
PH60.....Waterproof pH Meter with Temperature
PH103.....Tripak buffers (6ea - 4,7,10pH+2 Rinse solutions)

...trusted by the professionals.



ExStik® Series (Patent Pending)
Provide great versatility in measuring pH, ORP, Conductivity, Dissolved Oxygen, TDS, Salinity, and Temperature for field or laboratory use.

Featuring Model PH100

► **Flat Surface Electrode**

For any application that requires direct contact such as food, paper, cement and wet surfaces

► **Built-in Memory**

Record/Recall up to 15 labeled readings

► **Built-in Smart Chip**

Tells you when to replace your electrode or when to recalibrate your meter



Accessories (See p. 138 for pH Buffers)

Conductivity Standards (Pint size)

- EC-84-P84µS Conductivity Standard (2 bottles/1 pint ea)
- EC-1413-P.....1413µS Conductivity Standard (2 bottles/1 pint ea)
- EC-12880-P 12880µS Conductivity Standard (2 bottles/1 pint ea)

Replacement Electrodes

- PH105pH ExStik® Electrode Module
- RE305ORP ExStik® Electrode Module
- EC405*ExStik® II Conductivity Cell Module for EC400
- EC505*ExStik® II pH/Conductivity Cell Module for EC500
- DO605*ExStik® II Dissolved Oxygen Module for DO600
- DO603Membrane Kit for DO600/DO605
- FL705*ExStik® II Fluoride Module for FL700
- FL704TISAB reagent tablets for FL700 (100 tablets)

Extension Cables for DO600

- EX0103ft (1m) Extension Cable with Probe Guard/Weight
- EX05016ft (5m) Extension Cable with Probe Guard/Weight

Carrying Case

- CA895Small vinyl carrying case with belt loop
- CA904Large hard case for meter and accessories

*ExStik® II electrode modules are not interchangeable with ExStik® pH/ORP/Chlorine meters



Flat Surface pH Electrode

PH100 ExStik® pH Meters

Flat Surface electrode provides on-the-spot pH measurements

- **RENEW feature** tells you when it's time to replace your pH electrode
- **CAL feature** tells you when it's time to recalibrate your meter
- **Waterproof** to IP57
- **Flat Surface pH electrode** rugged design measures pH on solid and semi-solid surfaces
- **Analog bargraph** originates at neutral point (pH 7.00) to view trends in acidity or alkalinity
- ATC plus measures Temperature
- 1, 2 or 3 point calibration (order pH buffers separately on p. 138)
- Includes flat surface pH electrode, sensor cap, sample cup with cap, four 3V CR2032 button batteries and 48" (1.2m) neckstrap



Flat Surface ORP Electrode

RE300 ExStik® ORP Meter

High resolution of 1mV

- Measures ORP/Redox from -999 to 999mV
- Automatic electronic self calibration
- Simulated analog bargraph displays change in ORP reading
- **Waterproof** to IP57 protects meter from wet environment
- Complete with flat surface ORP electrode, protective sensor cap, sample cup with cap, four 3V CR2032 button batteries and 48" (1.2m) neckstrap

Specifications

Model	PH100	RE300
pH	0.00 to 14.00pH	—
ORP (mV)	—	-999 to 999mV
Conductivity	—	—
TDS/Salinity	—	—
DO saturation/concentration	—	—
Temperature	23° to 194°F (-5 to 90°C)	—
Max. Resolution	0.01pH, 0.1°	1mV
Basic Accuracy	±0.01pH, ±1.8°F/1°C	±4mV
Dimensions	1.4x6.8x1.6" (35.6x172.7x40.6mm)	1.4x6.8x1.6" (35.6x172.7x40.6mm)
Weight	3.8oz (110g)	3.8oz (110g)
CE	Yes	Yes
Warranty	1yr (meter)/6mo conditional warranty (electrode)	1yr (meter)/6mo conditional warranty (electrode)



EC500 with combination flat surface pH electrode and Conductivity cell

EC400/EC500 Conductivity Meters

Autoranging, high accuracy combination electrode measures multi parameters

- Analog bargraph indicates trends
- Memory stores 25 labeled data
- Adjustable Conductivity to TDS ratio from 0.4 to 1.0
- 0.5 fixed Salinity ratio
- EC500 - RENEW feature tells user to replace electrode
- Data Hold, Auto power off, Low battery indicator
- **Waterproof** to IP57
- EC400 with Conductivity/TDS cell; EC500 with combination pH/Conductivity/TDS cell
- Includes electrode, sensor cap, sample cup with cap, four 3V CR2032 batteries, and 48" (1.2m) neckstrap. *Order Conductivity standards separately on p.130.*



DO sensor with easy screw-on membrane cap assembly

DO600 Dissolved Oxygen Meter

Easy to replace screw-on membrane cap with optional extension cables

- Oxygen level displayed as % Saturation or Concentration (mg/L [ppm])
- Adjustable Altitude Compensation (0 to 20,000ft in 1,000ft increments)
- Adjustable Salinity Compensation from 0 to 50ppt
- Analog bargraph indicates trends
- Memory stores 25 labeled data
- Self calibration on power up
- **Waterproof** to IP57
- **DO600 meter** includes DO electrode, sensor cap, spare membrane cap, electrolyte, four 3V CR2032 batteries, and 48" (1.2m) neckstrap
- **DO600-K Kit** includes DO600 meter, DO603 membrane kit, 16ft (5m) extension cable, weighted probe guard, and case



Flat Surface Fluoride electrode with built-in ATC

FL700 Fluoride Meter

Direct reading of Fluoride down to 0.1ppm with ATC

- First Fluoride meter with built-in Automatic Temperature Compensation
 - Fastest response Fluoride meter (<1min)
 - Small sample/TISAB volume required for testing (10mL)
 - In compliance with EPA Method 340.2. (Potentiometric Ion Selective Electrode)
 - Automatic electronic 1 or 2 point calibration with offset adjustment
 - Memory stores 25 labeled data
 - **Waterproof** to IP57
 - Includes electrode, TISAB reagent tablets, sensor cap, four 3V button batteries, and 48" (1.2m) neckstrap
- Contact Extech or your local lab supply for Fluoride calibration standards*



Did You Know?

pH Meters require pH buffers for calibration before taking accurate pH measurements. For low pH range, calibrate with 4 and 7pH buffers. For high pH range, calibrate with 7 and 10 pH buffers. Order pH Buffers on p. 138 to work with your new ExStik pH meter.

Conductivity Meters require calibration before taking accurate measurements. Extech offers three types of standards for calibration: 84µS for Low range, 1413µS for mid-range, and 12880µS for high range. Order these calibration standards listed on p. 130 with your meter.

EC400	EC500	DO600	DO600-K	FL700	Model
—	0.00 to 14.00pH	—	—	—	pH
0 to 199.9µS, 200 to 1999µS, 2.00 to 19.99mS	—	—	—	—	ORP
0 to 99.9ppm (mg/L), 100 to 999ppm (mg/L), 1.00 to 9.99ppt (g/L)	—	—	—	0.1 to 10ppm	Conductivity
—	—	0 to 200.0% / 0 to 20.00ppm (mg/L)	—	—	TDS/Salinity
32° to 149°F (0 to 65°C)	23° to 194°F (-5 to 90°C)	32° to 122°F (0 to 50°C)	—	32° to 140°F (0 to 60°C)	DO saturation/concentration
0.1µS, 0.1ppm (mg/L), 0.01pH, 0.1°F/°C ±2%FS, ±0.01pH, ±1.8°F/1°C	—	0.1%, 0.01ppm (mg/L), 0.1°F/°C ±2.0% FS, 0.4ppm (mg/L), ±1.8°F/1°C	—	0.1ppm, 0.1° ±3.0% of reading	Temperature
1.4x6.8x1.6" (35.6x172.7x40.6mm)	3.8oz (110g)	1.4x6.8x1.6" (35.6x172.7x40.6mm)	3.8oz (110g) Meter only	1.4x6.8x1.6" (35.6x172.7x40.6mm)	Max. Resolution
Yes	Yes	Yes	Yes	Yes	Basic Accuracy
1yr (meter)/6mo conditional warranty (electrode)	1yr (meter)/6mo conditional warranty (electrode)	1yr (meter)/6mo conditional warranty (electrode)	1yr (meter)/6mo conditional warranty (electrode)	1yr (meter)/6mo conditional warranty (electrode)	Dimensions
—	—	—	—	—	Weight
—	—	—	—	—	CE
—	—	—	—	—	Warranty

CL200 ExStik® Waterproof Chlorine Meter

Direct reading of Total chlorine down to 0.01ppm and is unaffected by color or Turbidity of the sample

Features:

- Direct reading of Total Chlorine provides fast and easy measurements
- Low detection limit down to 0.01ppm
- Wide dynamic range to 10ppm
- Unaffected by sample color or turbidity
- Automatic electronic calibration
- Memory stores 15 labeled readings
- Unique flat surface chlorine electrode eliminates any concerns for clogged junctions or glass breakage
- Waterproof to IP57
- Large LCD simultaneously displays ppm of Total Chlorine, Temperature and analog bargraph indicator
- Optional Special Value Kits for complete water quality analysis including pH/ORP. (See page 133)
- Complete with meter and flat surface Chlorine electrode, ExTab™ reagent tablets (50 tests), protective sensor cap, sample cup with cap, four 3V button batteries, and 48" (1.2m) neckstrap

EPA Approved Methodology

- Designed as a simple method to test for Total Chlorine following "Standard Methods for Examination of Water and Waste Water" (4500-Cl I)
- Approved by the U.S. EPA as an acceptable alternative method for 40 CFR Part 136 wastewater compliance monitoring



Patent Pending



CL207 Chlorine standards (1ppm)

Specifications	Function
	ppm 0.01 to 10.00ppm
	Temperature 23° to 194°F (-5 to 90°C)
	Resolution 0.01ppm; 0.1°F/°C;
	Basic accuracy ±10% of reading ±0.01ppm; ±1.8°F/±1°C
	Power Four 3V CR2032 button batteries
	Dimensions 1.4x6.8x1.6" (35.6x172.7x40.6mm)
	Weight 3.85oz (110g)

Ordering

CL200ExStik® Chlorine Meter
 CA895Small vinyl carrying case with belt loop
 CL207Chlorine Standard (1ppm) - 3 ampules (20mL ea.)
 (See accessories below or Special Value Kits on p. 133)

EX006 Weighted Base & Solution Cups

Features:

- Complete with weighted base and 5 solution cups with caps to hold meter and solution when taking a measurement to obtain a stable reading



Recommended for ExStik® Chlorine

CL203/CL204 ExTab™ Chlorine Reagent tablets

Features:

- 1 tablet per test
- Foil packaging provides very stable environment with long shelf life
- No dosing equipment required
- No messy powder reagents
- Available in 10pk (100 tests) or Value pack 100pk (1000 tests)



Patent Pending

CL205 Replacement Flat Surface Chlorine Electrode Module

Features:

- Easy to clean flat surface electrode
- Measures Chlorine and Temperature
- Interchangeable with ExStik® pH or ORP Meter
- Complete with protective connector cap. Six month conditional warranty



CL207 Chlorine Standard

Features:

- 1ppm standard for chlorine meter calibration
- Complete with 3 ampules (20mL each) 1ppm calibration standards



Ordering

EX006Weighted base with 5 solution cups
 EX007Spare sample solution cups (24pk)
 CL203ExTab™ Reagent tablets (10pk - 100 tests)
 CL204ExTab™ Reagent tablets (100pk - 1000 tests)
 CL205Spare Chlorine electrode
 CL207Chlorine Standard (1ppm) - 3 ampules (20mL ea.)

EX900 ExStik® 4-in-1 Kit

Complete kit allows you to measure Chlorine, pH, ORP, and Temperature with all the necessary accessories

Kit Includes:

- CL200 Chlorine ExStik® meter, flat surface pH electrode, flat surface ORP electrode, ExTab™ reagent tablets (50 tests), pH 4, 7 buffer solutions (20mL) and rinse solution, weighted base with 6 sample plastic cups with caps, four 3V CR2032 button batteries, 48" (1.2m) neckstrap, and case
- Also available EX800 Kit includes all of the above except for ORP electrode. EX800-R includes refillable pH electrode.



See p. 130 and 132 for more details on the ExStik Meters

Specifications	Function	Range	Max. Resolution	Basic Accuracy
	ppm	0.01 to 10.00ppm		
	pH	0.00 to 14.00pH		
	ORP	-999 to 999mV		
	Temperature	23° to 194°F (-5 to 90°C)		
	Resolution	0.01ppm; 0.01pH; 0.1mV; 0.1°		
	Accuracy	±10% of reading ±0.01ppm; 0.01pH; ±4mV; ±1.8°F/±1°C		
	Power	Four 3V CR2032 button batteries		
	Dims/Wt	9.5x6.8x2.8" (241x173x71mm)/1.68lbs (0.76kg)		

Ordering

EX900ExStik® 4-in-1 Kit Chlorine, pH, ORP, Temperature
EX800ExStik® 3-in-1 Kit Chlorine, pH, Temperature
EX800-R.ExStik® 3-in-1 Kit Chlorine, Ref. pH, Temperature

EC410 ExStik® II* Conductivity Kit

Highly accurate multi-ranging sensor that measures Conductivity, TDS, Salinity, and Temperature

Kit Includes:

- EC400 ExStik® II Conductivity/TDS/Salinity/ Temperature meter with sensor, protective cap, 84µS, 1413µS and 12880µS standards (30mL bottle each), weighted base, 3 sample plastic cups with caps, four 3V CR2032 button batteries, 48" (1.2m) neckstrap, and carrying case



See p. 131 for more details on the EC400 meter

Specifications	Function	Range	Max. Resolution	Basic Accuracy
	Conductivity	0 to 199.9µS	0.1µS	±2% FS
		200 to 1999µS	1µS	
		2.00 to 19.99mS	0.01mS	
	TDS/Salinity	0 to 99.9ppm (mg/L)	0.1ppm (mg/L)	±2% FS
		100 to 999ppm (mg/L)	1ppm (mg/L)	
		1.00 to 9.99ppt (g/L)	0.01ppt (g/L)	
	Temperature	32° to 149°F (0 to 65°C)	0.1°	±1.8°F/1°C
	Power	Four 3V CR2032 button batteries		
	Dims/ Wt	9.5x6.8x2.8" (241x173x71mm)/1.56lbs (0.71kg)		

*ExStik® II Series electrodes are not interchangeable with ExStik® pH/Chlorine/ORP meters

Ordering

EC410ExStik® Conductivity Kit

EC510 ExStik® II pH/Conductivity Kit

Measures pH, Conductivity, TDS, Salinity, and Temperature using a combination electrode

Kit Includes:

- EC500, 84µS, 1413µS, 12880µS calibration standards, pH buffer pouches (1 each of 4, 7, 10pH plus rinse solution), weighted base, 3 sample cups with caps, four 3V CR2032 batteries, neckstrap, and case



See p. 131 for more details on the EC500 meter

Specifications	Function	Range	Max. Resolution	Basic Accuracy
	pH	0.00 to 14.00pH	0.01pH	±0.01pH
	Conductivity	0 to 199.9µS	0.1µS	±2% FS
		200 to 1999µS	1µS	
		2.00 to 19.99mS	0.01mS	
	TDS/Salinity	0 to 99.9ppm (mg/L)	0.1ppm (mg/L)	±2% FS
		100 to 999ppm (mg/L)	1ppm (mg/L)	
		1.00 to 9.99ppt (g/L)	0.01ppt (g/L)	
	Temperature	32° to 149°F (0 to 65°C)	0.1°	±1.8°F/1°C
	Power	Four 3V CR2032 button batteries		
Dims/ Wt	9.5x6.8x2.8" (241x173x71mm)/1.56lbs (0.71kg)			

Ordering

EC510ExStik® pH/Conductivity Kit

DO610 ExStik® II* DO/pH/EC Kit

Measures Dissolved Oxygen, pH, Conductivity, TDS, Salinity, and Temperature

Kit Includes:

- EC500 pH/Conductivity ExStik® II meter with combination high accuracy multi-ranging Conductivity sensor for Conductivity, TDS, Salinity, pH and Temperature measurements
- DO600 Dissolved Oxygen ExStik® II meter with electrode, replacement membrane cap, electrolyte, and polishing paper



Accessories included:

- Sample pH Buffers — Single use pouches for pH4, pH7, pH10, and rinse solution
- Weighted base with 2 cups and caps, four 3V CR2032 batteries and neckstrap with each meter, and case

See p. 131 for more details on the EC500 and DO600 meters

Ordering

DO610ExStik® II DO/pH/Conductivity Kit



pH/mV/Temperature Meters

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 Model PH300

▶ Durable Waterproof Housing

Protects against splashes and accidental drops

▶ Large Backlit LCD Display

Simultaneously displays pH (or mV) and Temperature

▶ Push Button Calibration

Automatic calibration buffer recognition

▶ Compete Kit

Read to use kit packaged in a hard carrying case includes pH electrode and calibration buffers



Read to use complete kit includes all the necessary accessories stored in a hard carrying case for easy transportation. Ideal for field use.

Accessories

pH Electrodes

- PH105Spare pH ExStik® Electrode Module
- PH115Spare Refillable pH ExStik® Electrode Module
- PH113Reference Refill Solution Kit for PH110
- PH305Spare pH Electrode for PH300, EC600, DO700
- 6015WC.....Waterproof pH Electrode with cable for Palm pH
- 6012WSWaterproof Stick Type pH Electrode for Palm pH
- 6750WC.....Waterproof ORP Electrode with cable for Palm pH
- 6750WSWaterproof Stick Type ORP Electrode for Palm pH

pH Buffers

- PH4-PpH 4 Buffer Solution (2 bottles - 1 pint each)
- PH7-PpH 7 Buffer Solution (2 bottles - 1 pint each)
- PH10-PpH 10 Buffer Solution (2 bottles - 1 pint each)
- PH103Tripak Buffer pouches (see photo above)

Temperature Probes

- 850185RTD Stainless Steel Temp. Probe for the Oyster™
- 850188Temperature probe, stainless steel for 407228

AC Adaptors and cases

- UA100-240..100-240V AC Adaptor for the Oyster pH Meter
- CA895Vinyl Pouch Carrying Case for PH100

See pages 138 for replacement electrodes and other pH accessories



Unique gel filled or refillable (pictured) flat surface electrode design

Patent Pending

PH100/PH110 Waterproof ExStik® pH Meters

Choice of rugged gel filled or refillable Flat surface pH electrode

- "RENEW" feature alerts user when electrode needs replacement
- "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
- **Waterproof** (IP57) and floats in water
- Complete with protective sensor cap, sample cup with cap, four 3V button batteries, and 48" (1.2m) neckstrap
- **Select PH100** for meter with gel filled pH flat surface electrode
- **Select PH110** for meter with refillable flat surface pH electrode; Order PH113 KCl reference kit separately (see p.134)

Note: Requires pH buffers (not included).

Specifications

Model	PH100	PH110
Type	Gel Filled pH Electrode	Refillable pH Electrode
Waterproof	Yes	
pH	0.00 to 14.00pH	
mV	—	
Temperature	23° 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/ Weight	1.4x6.8x1.6" (35.6x172.7x40.6mm)/ 3.8oz (110g)	
CE	Yes	
Warranty	1 year (meter)/6 months conditional warranty (electrode)	



PH220-C includes pH electrode with 39" (1m) cable.

PH220 Waterproof Palm pH/ORP Meter

Big Digit LCD display in rugged housing with choice of stick or cabled pH Electrode

- Large LCD displays pH or mV and Temperature simultaneously
- Automatic Buffer recognition
- Automatic Temperature Compensation via Pt-100 sensor built into electrode
- Low Battery indicator and Auto Power off
- Rugged design for handheld or wall mount (magnetic back)
- Complete with waterproof meter, pH electrode, protective holster, pH 4 & 7 buffers (1 pouch ea.), and 9V battery
- **Select PH220-C Kit** to include ATC pH polycarbonate electrode (12mm diameter) with 39" (1m) cable
- **Select PH220-S Kit** to include ATC pH stick type polycarbonate electrode (12mm diameter) for direct connection to meter



NEW

PH300 Waterproof pH/Temperature Kit

Measures pH, mV, and Temperature

- Waterproof housing (meets IP57)
- Automatic calibration (4, 7, and 10pH)
- Choice of 3 point calibration for better accuracy
- Automatic Temperature Compensation
- Memory stores up to 200 labeled readings
- Large blue backlit dual LCD displays both pH and Temperature readings
- Auto power off with disable function
- Complete with pH/mV/Temperature electrode, pH calibration solutions (4, 7, and 10pH), 2 AA batteries, and hard carrying case



Oyster™ Series pH/ORP/Temp Kits

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

- Large LCD built into adjustable "flip-up" cover displays pH or mV and Temperature simultaneously
- Neckstrap for "hands-free" operation
- Stores/recalls 25 labeled readings
- Min/Max mode; Auto or Manual Temperature compensation (ATC/MTC)
- Self diagnostics display codes
- Low Battery indicator & Auto Power off
- 5 point buffer recognition (1.68, 4.00, 7.00, 10.00, 12.45) with adjustable buffer values
- **OYSTER-15 Kit** includes Oyster-10 meter, neckstrap, 9V battery, 60120B mini pH electrode, sample buffers (4 and 7pH), and carrying case
- **OYSTER-16 Kit** is same as Oyster-15 plus RTD Temperature probe. Optional AC Adaptor (see p. 134)

PH220-C	PH220-S	PH300	OYSTER-15	OYSTER-16
Cabled pH Electrode	Stick pH Electrode	Cabled pH Electrode	Meter+pH electrode +case	Meter+pH electrode+ case+Temp probe
Yes	—	Yes	—	—
0.00 to 14.00pH	—	-2.0 to 19pH	0.00 to 14.00pH	0.00 to 14.00pH
-999 to 999mV	—	-1999mV to 1999mV	-999 to 999mV	-999 to 999mV
32° to 212°F (0 to 99.9°C)	—	32 to 212°F (0 to 100°C)	32° to 212°F (0 to 99.9°C)	32° to 212°F (0 to 99.9°C)
0.01pH, 1mV, 0.1°	—	0.01pH, 1mV, 0.1°	0.01pH, 1mV, 0.1°	0.01pH, 1mV, 0.1°
±0.01pH, ±2mV, ±0.8°F/0.5°C	—	±0.02pH, ±0.15mV, ±1°F/0.5°C	±0.02pH, ±2mV, ±0.8°F/0.5°C	±0.02pH, ±2mV, ±0.8°F/0.5°C
—	—	—	—	—
200 readings	—	200 readings	25 readings	25 readings
4.4x3.1x1.5" (111x79x39mm)/ 9.2 oz (260g)	—	4.7x2.6x1.2" (120x65x31mm)/6.3oz (180g)	3.7x4.2x2" (94x107x51mm)/ 12oz (340g)	3.7x4.2x2" (94x107x51mm)/ 12oz (340g)
Yes	—	Yes	Yes	Yes
1 year (meter)/6 months conditional warranty (electrode)	—	1 year (meter)/6 months conditional warranty (electrode)	1 year (meter)/6 months conditional warranty (electrode)	1 year (meter)/6 months conditional warranty (electrode)



Conductivity/TDS/pH Meters

Extech's conductivity meters are used to monitor and maintain the quality of industrial and commercial process waters, conditioning fluids and additives.

Featuring Model **EC600**

▶ 7-in-1 Meter

Measures Conductivity, TDS, Salinity, Resistivity, pH, mV, and Temperature

▶ One point Conductivity Calibration

Automatically recognizes 8 calibration solutions from USA, Europe and China series

▶ Memory

Stores up to 300 numbered readings with easy recall

▶ Autoranging

Five Conductivity measurement ranges



Special Value Kit



EC410 kit

EC400 ExStik® II Conductivity/TDS/Salinity/Temp Meter

High accuracy multi-range sensor measures all four parameters

- 8 units of measure include: μS , mS , ppm, ppt, mg/L , g/L , $^{\circ}\text{C}$, $^{\circ}\text{F}$
- Simultaneous display of Conductivity or TDS plus Temperature and bargraph
- Memory stores up to 25 labeled readings
- Adjustable Conductivity to TDS ratio factor from 0.4 to 1.0
- Self calibration on power up
- **Waterproof** to IP57
- **EC400 meter** includes Conductivity cell*, protective sensor cap, sample cup with cap, four 3V CR2032 button batteries, and 48" (1.2m) neckstrap; *Calibration standards sold separately*
- **EC410 kit** (p.133) includes EC400, $84\mu\text{S}$, $1413\mu\text{S}$, $12880\mu\text{S}$ calibration standards, weighted base, 3 sample cups with caps, and case



Read to use complete kit includes all the necessary accessories stored in a hard carrying case for easy transportation. Ideal for field use.

Specifications

Model	EC400	EC410 kit
Conductivity	0 to 199.9 μS , 200 to 1999 μS , 2.00 to 19.99mS	
TDS/Salinity	0 to 99.9ppm (mg/L), 100 to 999ppm (mg/L), 1.00 to 9.99ppt (g/L)	
pH	—	
mV	—	
Temperature	32° to 149°F (0 to 65°C)	
Max. Resolution	0.1 μS , 0.1ppm (mg/L), 0.1°F/°C	
Basic Accuracy	$\pm 2\%$ FS, $\pm 1.8^{\circ}\text{F}/1^{\circ}\text{C}$	
Dimensions	Meter: 1.4x6.8x1.6" (36x173x41mm)/3.8oz (110g) Kit: 9.5x6.8x2.8" (241x173x71mm)/1.56lbs (708g)	
CE	Yes	Yes
Warranty	1 year (meter)/ 6 months conditional warranty (electrode)	

Accessories

Conductivity Standards

EC-84-P..... $84\mu\text{S}$ Conductivity Standard (2 bottles - 1 pint each)
EC-1413-P... $1413\mu\text{S}$ Conductivity Standard (2 bottles - 1 pint each)
EC-12880-P... $12880\mu\text{S}$ Conductivity Standard (2 bottles - 1 pint each)

Replacement Conductivity Cells

EC405*Spare ExStik® II Conductivity Cell Module for EC400
EC505*Spare ExStik® II pH/Conductivity Cell Module for EC500
EC605Spare Conductivity Cell for EC600 and DO700
804010APolymer Conductivity Cell for 341350A-P

Replacement pH Electrode

PH305Spare pH Electrode for PH300, EC600, DO700
60120BSpare Mini pH Electrode for 341350A-P

Carrying Case and Temperature Probe

CA895Small vinyl case with belt loop for EC400, EC500
850190Thermistor Probe (32 to 194°F/0 to 90°C) for 341350A-P

*ExStik® II Conductivity cell is not interchangeable with ExStik® pH, ORP, & Chlorine models



EC510 kit

EC500 ExStik® II pH/Conductivity/ Temperature Meter

Combination rugged flat surface
pH electrode with Conductivity cell

- 9 units of measure: pH, μ S, mS, ppm, ppt, mg/L, g/L, °C, °F
- Analog bargraph indicates trends
- Memory stores up to 25 labeled readings
- Adjustable Conductivity to TDS ratio from 0.4 to 1.0; 0.5 fixed Salinity ratio
- RENEW feature alerts user when electrode needs replacement
- **Waterproof** to IP57
- **EC500 meter** includes electrode, protective sensor cap, sample cup with cap, four 3V CR2032 batteries, and 48" (1.2m) neckstrap; *Calibration standards sold separately*
- **EC510 Kit** includes EC500, 84 μ S, 1413 μ S, 12880 μ S calibration standards, pH buffer pouches (1 each of 4, 7, 10pH plus rinse solution), weighted base, 3 sample cups with caps, and case



NEW

EC600 Waterproof Conductivity Kit

Measures Conductivity, TDS, Salinity,
Resistivity, pH, mV and Temperature

- Waterproof housing (meets IP57)
- Automatic one button pH calibration (4, 7, and 10pH)
- Choice of 3 point pH calibration for better accuracy
- One point Conductivity calibration – automatically recognizes 8 calibration solutions
- Automatic Temperature Compensation (non-linear compensation for purified water <10 μ S/cm to improve measuring accuracy)
- Memory stores up to 300 labeled readings
- Large blue backlit dual LCD display
- Auto power off with disable function
- Complete with pH/mV/Temperature electrode, polymer Conductivity cell, pH calibration solutions (4, 7, and 10pH), Conductivity calibration solution (1413 μ S), 2 AA batteries, and hard carrying case



NEW

Comes complete
with accessories
and hard case

341350A-P pH/Conductivity/TDS/ ORP/Salinity Meter

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

- Large dual LCD built into adjustable “flip-up” cover
- Microprocessor based with splash-proof housing and front panel tactile touch pad to slope and calibrate
- Rugged design for handheld or benchtop use; neckstrap for “hands-free” operation
- Memory function stores and recalls 25 labeled readings
- 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, thermistor probe (850190), sample buffers, polymer conductivity cell, 9V battery, neckstrap and case

EC500	EC510 kit	EC600	341350A-P (Polymer)
0 to 199.9 μ S, 200 to 1999 μ S, 2.00 to 19.99mS	0 to 99.9ppm (mg/L), 100 to 999ppm (mg/L), 1.00 to 9.99ppt (g/L)	0 to 100g/L 0 to 100ppt -2 to 19pH -1999mV to + 1999	10 to 19,990 μ S/cm TDS range: 10 to 19,990ppm (mg/L)
0.00 to 14.00pH	0.00 to 14.00pH	32° to 122°F (0 to 50°C)	0.01 to 14.00pH
32° to 149°F (0 to 65°C)	32° to 149°F (0 to 65°C)	pH/mV: 32 to 212°F (0 to 100°C) Other: 32 to 122°F (0 to 50°C)	Thermistor probe: 32 to 194°F (0 to 90.0°C)
0.1 μ S, 0.1ppm (mg/L), 0.01pH, 0.1°F/°C \pm 2%FS, \pm 1.8°F/1°C	0.1 μ S, 0.1ppm (mg/L), 0.01pH, 0.1°F/°C \pm 2%FS, \pm 1.8°F/1°C	0.01pH, 1mV, 0.01 μ S, 0.01mg/L, 0.01ppt, 0.1°F/°C \pm 0.02pH, \pm 0.15mV, \pm 1.5%FS, \pm 1°F/0.5°C	10 μ S; 0.01pH \pm 0.5%, \pm 0.02pH
1.4x6.8x1.6" (36x173x41mm)/ 3.8oz (110g)	1.4x6.8x1.6" (36x173x41mm)/ 3.8oz (110g)	4.7x2.6x1.2" (120x65x31mm)/6.3oz (180g)	3.7x4.2x2" (96x108x45mm)/ 12oz (340g)
Kit: 9.5x6.8x2.8" (241x173x71mm)/1.56lbs (708g)	Kit: 9.5x6.8x2.8" (241x173x71mm)/1.56lbs (708g)	Kit: 9.5x6.8x2.8" (241x173x71mm)/1.56lbs (708g)	Kit: 9.5x6.8x2.8" (241x173x71mm)/1.56lbs (708g)
Yes	Yes	Yes	Yes
1 year (meter)/ 6 months conditional warranty (electrode)	1 year (meter)/ 6 months conditional warranty (electrode)	1 year (meter)/ 6 months conditional warranty (electrode)	1 year (meter)/ 6 months conditional warranty (electrode)

pH Electrodes

Choice of Standard or Specialized electrodes with Ag/AgCl gel filled (fast response: 95% in 5sec)

Features:

General purpose pH/Ref electrodes 60120B and 601500

- Rugged, polycarbonate construction features glass pH sensing bulb surrounded by protective teeth. pH range (0 to 14pH), operating temperature (0 to 80°C). Choice of Mini or Standard size.

Flat surface electrode (Easy to clean) 601100

- PVC bodied electrode, ideal for pH of solid products with minimal moisture like cheese, soils or electrophoretic/agar gels. pH range (0 to 14pH), operating temperature (5 to 80°C).

60120B
Mini size



601500
Standard size



601100
Flat Surface



Include 39" (1m) cable with BNC connection and storage solution bottle or cap. 6 month conditional warranty.

Ordering

60120BMini pH Electrode (10 x 120mm)

601500Standard pH Electrode (12 x 160mm)

601100Flat Surface pH Electrode (15 x 106mm)

ExStik® Replacement pH, ORP, and Chlorine Electrode Modules

Features:

- Interchangeable pH, ORP, and Chlorine sensor modules for ExStik® series meters featured on (p. 130, 132)
- ATC via built-in Pt-100Ω sensor (PH105, PH115 & CL205)
- Refillable pH electrode (PH115) provides an economical way to refill your electrode, eliminates the problem of limited electrode shelf life, contamination, and usage life in aggressive applications
- Note: The PH105, CL205 and RE305 replacement modules are not interchangeable with ExStik® II meters shown on p. 130, 132
- 6 month conditional warranty



PH105 CL205 RE305

Flat surface pH, Chlorine, and ORP electrode modules



PH113 Reference Refilling Solution Kit for PH115 Refillable pH electrode module

Ordering

PH105pH ExStik® Electrode Module

PH115Refillable pH ExStik® Electrode Module

PH113Reference Refilling Solution Kit for PH115

CL205Chlorine ExStik® Electrode Module

RE305ORP ExStik® Electrode Module

pH Buffers

Convenient calibration solutions for your pH meter

Features:

- Easy to use, already made fresh pH buffers for calibration
- Helpful table shows what the pH value should be vs. the temperature of the buffer solution measured
- Rinsing solution used for cleaning off the pH electrode before and after taking the next measurement from a different solution to prevent contamination
- Convenient pouch eliminates the need for a cup to store buffer or rinsing solution
- PH103 contains 6 pouches of each buffer (pH 4.00, 7.00, and 10.00), plus 2 Rinsing solutions
- Pint size pH buffer solutions available (PH4-P, PH7-P, and PH10-P)



Ordering

PH4-PpH 4 Buffer Calibration Solution (2 bottles - 1 pint each)

PH7-PpH 7 Buffer Calibration Solution (2 bottles - 1 pint each)

PH10-P ..pH 10 Buffer Calibration Solution (2 bottles - 1 pint each)

PH103Tripak Buffer pouches (6ea: 4, 7, 10pH, 2 Rinse solutions)

D0700 Waterproof Series Dissolved Oxygen Kit **NEW**

8-in-1 Meter — Measures DO concentration/saturation, pH, mV, Conductivity, TDS, Salinity, Resistivity and Temperature

Features:

- Automatic salinity compensation and manual barometric pressure compensation for DO measurements
- Waterproof housing (meets IP57)
- Choice of 3 point pH calibration for better accuracy
- One point Conductivity calibration – automatically recognizes 8 calibration solutions
- Automatic Temperature Compensation
- Memory stores up to 400 labeled readings
- Large blue backlit dual LCD display
- Auto power off with disable function
- Complete with Dissolved Oxygen probe with 3 membrane caps and DO internal fill solution (30mL), pH/mV/ Temperature electrode, polymer Conductivity cell, pH calibration solutions (4, 7, and 10pH), Conductivity calibration solution (1413µS), 2 AA batteries, and hard carrying case



Functions	Range	Resolution	Basic Accuracy
Dissolved Oxygen (Concentration)	0 to 40.00mg/L	0.01mg/L	±1.5%FS
Dissolved Oxygen (Saturation)	0 to 200.0%	0.1%	±1.5%FS
pH	-2.00 to 19.99pH	0.01pH	±0.02pH
mV	-1999 to + 1999mV	1mV	±0.15mV
Conductivity	0.00 to 199.9mS	0.01µS	±1.5%FS
TDS	0 to 100g/L	0.01mg/L	±1.5%FS
Salinity	0 to 100ppt	0.01ppt	±1.5%FS
Resistivity	0 to 100MΩ · cm	0.1Ω	±1.5%FS
Temperature (pH and mV)	32 to 212°F (0 to 100°C)	0.1°	±1°F/±0.5°C
Temperature (other)	32 to 122°F (0 to 50°C)	0.1°	±1°F/±0.5°C
Power	Two AA batteries		
Dimension/ Weight	4.7 x 2.6 x 1.2" (120 x 65 x 31mm)/ 6.3oz (180g)		



Ready to use complete kit includes all the necessary accessories stored in a hard case for easy transportation. Ideal for field use.

Ordering:

- DO700Waterproof Series Dissolved Oxygen Kit
- DO705Dissolved Oxygen Electrode
- DO703Replacement Membrane Caps (3 caps)
- PH305Spare pH/mV/Temperature Electrode
- EC605Spare Polymer Conductivity Cell

407510 Heavy Duty Dissolved Oxygen Meter

Dual display of Oxygen concentration in solutions and Temperature — plus RS-232 PC interface

Features:

- Measures dissolved oxygen, oxygen, plus temperature
- Min/Max/Avg, Data Hold and Auto power off
- Automatic Temperature Compensation
- Super large 1.4" (36mm) LCD display
- Built-in RS-232 PC interface with optional Data Acquisition Software 407001 and Datalogger 380340 (See p. 108)

Functions	Dissolved Oxygen	Oxygen	Temperature
Range	0 to 19.9mg/L	0 to 100.0%	32 to 122°F (0 to 50°C)
Accuracy	±0.4mg/L	±0.7%	±1.5°F/ ±0.8°C
Probe Compensation & Adjustment	Salt: 0 to 39%	Altitude 0 to 3900m	Temp: 0 to 50°C
CE/Warranty	CE approved; 3 years (meter)/ 6 months conditional warranty (electrode)		
Dimensions	Meter: 7x3x1.3" (178x74x33mm); Probe: 0.8Dx4.9"L		
Weight	17oz (482g)		

Ordering

- 407510Heavy Duty Dissolved Oxygen Kit
- 407510-PDissolved Oxygen probe with 13ft (4m) cable
- 780417AReplacement Membranes (10/pack)
- 780418DO Internal Fill Solution (2pks — 50mL each)



Complete with 0.8" (20mm) probe on 13ft (4m) cable, membranes, protective holster with stand, 9V battery, and carrying case

