



Ordering Information

Order No.	Item
EC-PHSCANWP1	Waterproof pHScan 1 Tester
EC-PHSCANWP2	Waterproof pHScan 2 Tester
EC-PHSCANWP3	Waterproof pHScan 3 Tester
EC-PHSCANWP3PLS	Waterproof pHScan 3+ Tester/Temp
EC-ECSCANPURE	Waterproof EC Tester 199.9 µS/cm, Temp
EC-ECSCANLOW	Waterproof EC Tester 1990 µS/cm
EC-ECSCANLOWPLS	Waterproof EC Tester 1999 µS/cm, Temp
EC-ECSCANHIGH	Waterproof EC Tester 19.90 mS/cm
EC-ECSCANHIGHPLS	Waterproof EC Tester 19.99 mS/cm, Temp
EC-TDSCANPURE	Waterproof TDS Tester 199.9 ppm, Temp
EC-TDSCANLOW	Waterproof TDS Tester, 1990 ppm
EC-TDSCANLOWPLS	Waterproof TDS Tester, 1999 ppm, Temp
EC-TDSCANHIGH	Waterproof TDS Tester, 10.00 ppt
EC-TDSCANHIGHPLS	Waterproof TDS Tester, 10.00 ppt, Temp
EC-ORPSCANWPDJ	Waterproof ORP Tester
EC-PHWPSENO1	Replacement pHScanWP1 sensor
EC-PHWPSENO2	Replacement pHScanWP2 sensor
EC-PHWPSENO3	Replacement pHScanWP3/3+ sensor
EC-ORPWSENDI	Replacement ORPScan sensor
EC-TDSWPSENNEW	Replacement Microprocessor EC/TDS Series, 2 Pin type sensor
EC-TDSWPSENPLS	Replacement Microprocessor EC/TDS+ Series, Cup type sensor
EC-POUCH-01	Carrying Pouch for Tester
EC-BATT14	Alkaline Cell Batteries (50 units per pack)

Eutech manufactures a comprehensive range of laboratory and field instrumentation for water analysis. Eutech also produces on-line process instruments for water quality monitoring and control. Innovative products from Eutech include:

- (a) Pocket-sized Testers
- (b) Waterproof Testers
- (c) Hand-Held Meters
- (d) Waterproof Hand-held Meters
- (e) Laboratory Bench Meters
- (f) Industrial Process Controllers



Design of Eutech's waterproof testers are patented under the United States Patent Law, patent number: 371 517. Patent rights in other areas are pending.

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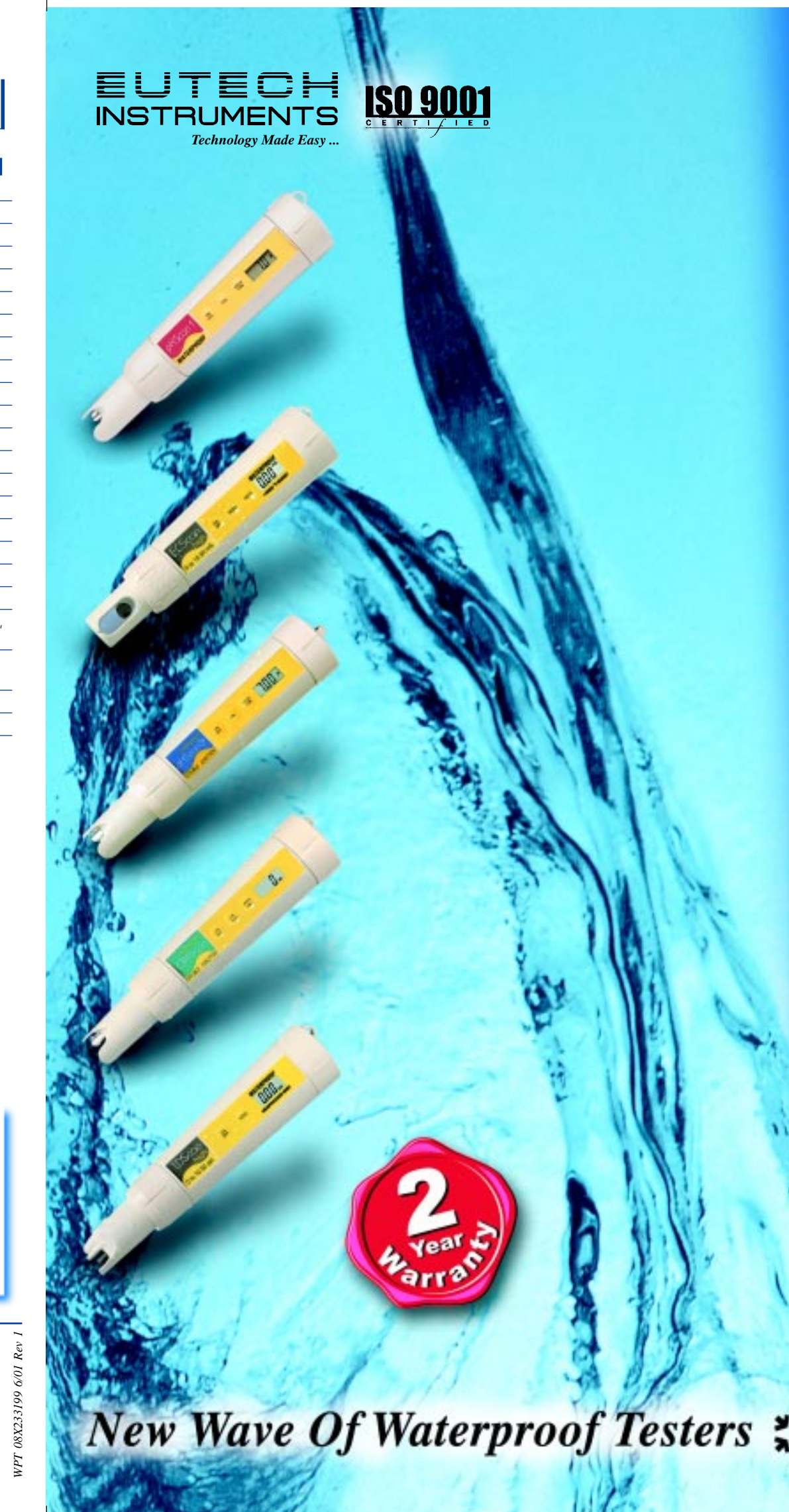
WORLD-WIDE SALES AND SERVICE SUPPORT
Eutech provides world-wide sales and service support for all its products through its network of international distributors. Contact Eutech for details of your nearest distributor.

Note: Eutech reserves the right to make changes, improvements and modifications to products shown, without prior notice.

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Corporate Profile

A Leader In The Field Of Electrochemical Instrumentation

Eutech Instruments is a dynamic company rapidly positioning itself globally as a leading manufacturer of electrochemical instrumentation for water analysis. A pioneer in developing ASIC-based (Application Specific Integrated Circuit) instruments, Eutech Instruments has gained international awards and recognition for its achievements in sensor technology, software programming and product design. Underlying its strong commitment to Research & Development, is the constant drive by Eutech engineers to apply new, emerging technologies to the design and manufacture of advanced electrochemical instruments. Eutech offers a comprehensive range of laboratory and field instrumentation for water analysis and continuous on-line process instruments for monitoring and control of pH, Conductivity, Total Dissolved Solids, Redox Potential (ORP) and Dissolved Oxygen (DO). Eutech's products are certified to comply with global standards for electromagnetic emission and interference. Eutech Instruments is dedicated to producing convenience products for water analysis.



Accessories

WAIST POUCH FOR TESTERS*

Looking for something to hold your tester in the field? Just strap on to your belt and free your hands. The soft vinyl pouch is secured by a long life Velcro® fastener. Dimensions: 18 x 8.2 cm Material: Soft Vinyl

CALIBRATION NECESSITIES

Choose from a wide range of Eutech calibration accessories for all your testing needs. Buffers for pH, calibration standards for Conductivity, TDS, and Redox. Available as:

- traditional buffer solutions packaged in standard 480 ml leak-proof bottles.
- tablets offering 0.2 pH accuracy. Just dissolve one tablet in 20 ml of distilled water and you are ready for calibration. Each box contains 100 tablets (10 tablets x 10 strips).
- convenient ready-to-use 20ml, air-tight sachets for hassle-free calibration. Supplied in box of 20 sachets.

REPLACEABLE ELECTRODE MODULE

Spare electrode modules available for all waterproof testers. Packed in convenient canisters with instruction sheet.

* Refer to back page for ordering details
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Standard Features of Waterproof Testers



Intelligent testers, equipped with **ASIC microprocessors**, enables quick and reliable **calibration via push buttons**. **Auto-buffer recognition** ensures you always calibrate your tester correctly. You are assured of accurate readings anytime, every time!

Your tester's battery life is extended by the **Auto-off** feature, preventing unnecessary power drain when testers are not in use. Your tester informs you when batteries need replacement.

Temporarily freeze the LCD display by pressing the **HOLD** button to record your readings at leisure. Just press the button again to take a new reading.

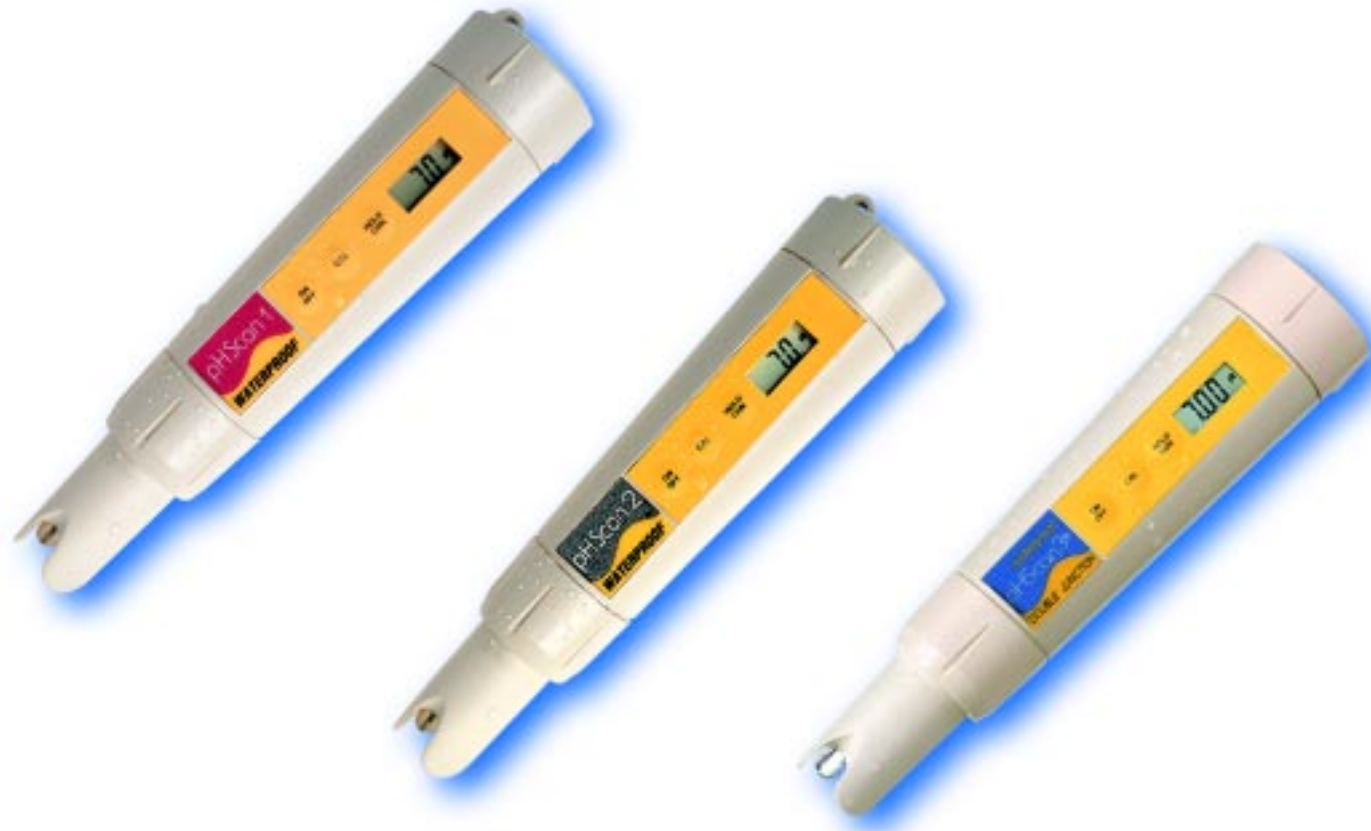
Broken sensor? Simply **replace the sensor module** with a spare. No tweezers, no soldering, no screwdrivers. No need even to purchase a new tester.

Rated up to **IP67**, all your Waterproof pocket testers are **fully waterproof and dust-proof**. **Double O-ring seals** help keep the water away, even after changing batteries or the sensor.

Sensor casing is made of **VALOX™ plastic** which offers excellent **physical and chemical durability**. The light weight material and the waterproof design allows the tester to **float on water!**

WPT 08X23199 6/01 Rev. 1

Waterproof pHScan 1, 2, 3 and 3+



Choose from a variety of pH testers that best caters to your needs. All pH testers are capable of measuring the full pH scale of 0 to 14 pH.

Automatic Temperature Compensation is available in pHScan 2, 3 and 3+, with up to 3-point calibration.

Select either USA or NIST buffer sets with the pHScan 3 and 3+. These models also offer 0.01 pH resolution and an accuracy of ± 0.02 pH. Double-junction electrode modules offer protection from samples containing sulphides.

New design extends battery life span to more than 200 hours.

pHScan 3+ is even able to display the measured temperature. Simply press a button for temperature display.

Sturdy packaging



Specifications	pHScan 1	pHScan 2	pHScan 3	pHScan 3+
Range	-1.0 to 15.0 pH		0 to 15.00 pH	
Resolution	0.1 pH		0.01 pH	
Accuracy	± 0.2 pH	± 0.1 pH	± 0.02 pH	
Calibration	1 pt (4.0, 7.0 or 10.0)	3 pt (4.0, 7.0 or 10.0)	3 pt (USA: pH 4.01, 7.00, 10.01 or NIST: pH 4.01, 6.86, 9.18)	
ATC	n.a.		Yes	
Temperature Display		n.a.		Yes, 0 to 55.0 °C
Electrode Type	Single junction		Double junction	
Battery Life	> 60 hrs		> 200 hrs	

Waterproof ECScan and TDScan — High+/Low+/Pure+ Series



Microprocessor-based Plus series Electrical Conductivity (EC) and Total Dissolved Solids (TDS) testers measure and display temperature. A simple touch of a button toggles the readings between Conductivity or TDS and Temperature display.

Automatic Temperature Compensation is standard, now with temperature calibration (± 5 °C) allowing highly accurate Conductivity / TDS measurements up to $\pm 1\%$ of Full Scale.

Enhanced resolution allows better resolved readings.

With the cup-type sensor design, you need not worry about a small volume of samples for measurements – no wastage of precious sample.

Self-diagnostic messages inform you when readings are out of range or when to change batteries. New microprocessor design allows more than 140 hours of operation and Auto-off feature helps extend battery life.

TDS testers even allow you to adjust the TDS factor (from 0.4 to 1.0) allowing for accurate measurements.

No wastage of precious sample



Specifications	ECScan High+	ECScan Low+	ECScan Pure+	TDScan High+	TDScan Low+	TDScan Pure+
Range	19.99 mS/cm	1999 μ S/cm	199.9 μ S/cm	10.00 ppt	1999 ppm	199.9 ppm
Resolution	0.01 mS/cm	1 μ S/cm	0.1 μ S/cm	0.01 ppt	1 ppm	0.1 ppm
Accuracy	$\pm 1\%$ of Full Scale					
TDS Factor	n.a.			0.4 to 1.0		
ATC	Yes					
Temperature Display	Yes, -5.0 to 55.0 °C					
Temperature Calibration	± 5 °C					
Battery Life	> 140 hrs					
Electrode Type	Cup-type, 2 stainless steel discs					

Waterproof ECScan and TDScan – High & Low Series



New microprocessor-based, waterproof Conductivity and TDS testers with push-button calibration.

Calibration is quick, accurate and tamper-proof, allowing improved accuracy of up to 1% of Full Scale.

Accuracy of measurements is further enhanced by the selectable TDS factors.

Specifications	ECScan High	ECScan Low	TDScan High	TDScan Low
Range	19.90 mS/cm	1990 μ S/cm	10.00 ppt	1990 ppm
Resolution	0.10 mS/cm	10 μ S/cm	0.10 ppt	10 ppm
Accuracy	$\pm 1\%$ of Full Scale			
TDS Factor	n.a.		0.4 to 1.0	
ATC	Yes			
Battery Life	> 140 hrs			
Electrode Type	2-pin Stainless Steel			

Waterproof REDOX ORP

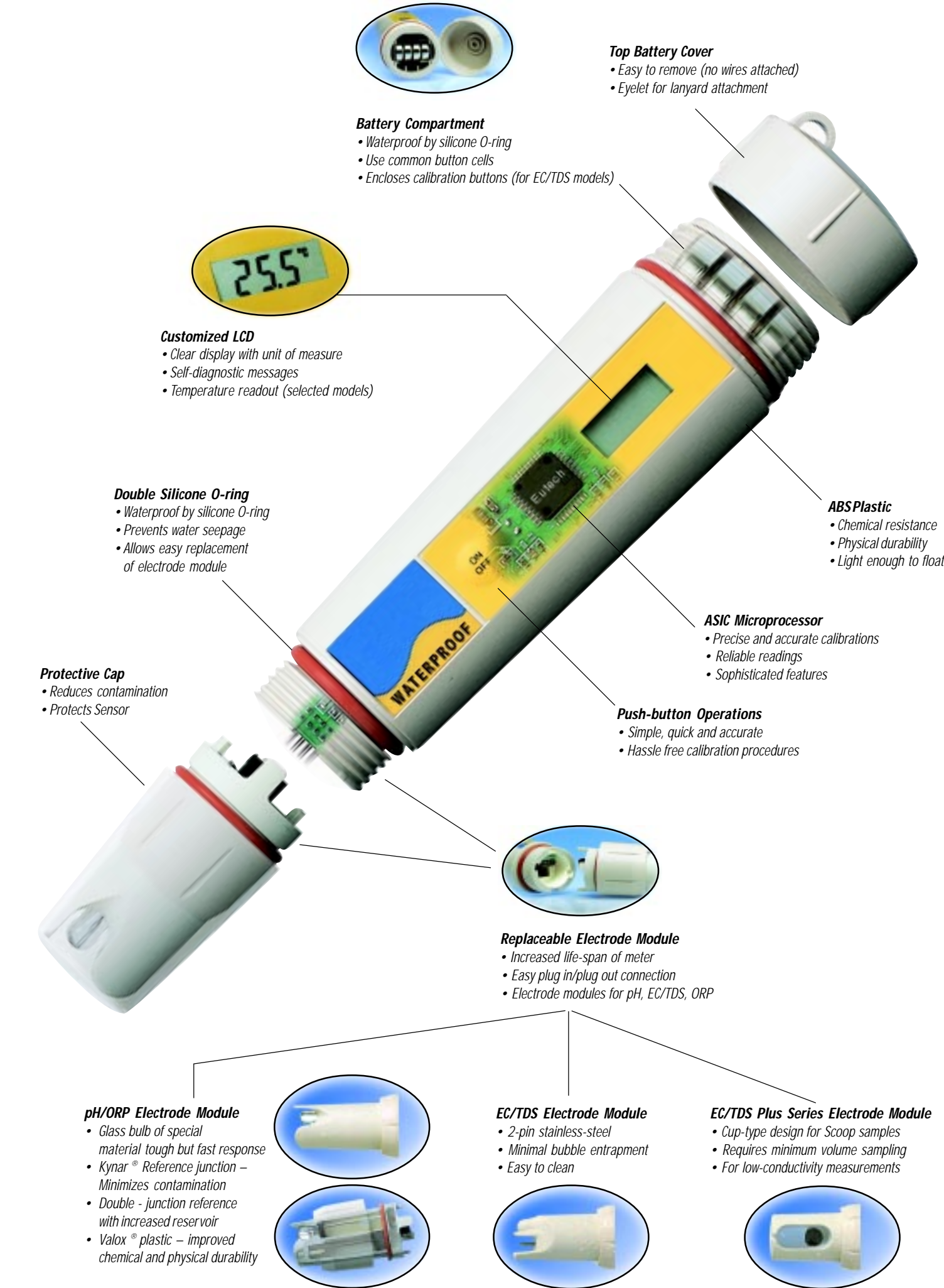


Revolutionary design offers up to ± 2 mV accuracy and a fine resolution of 1 mV.

New double-junction electrode module offers maximum protection against sulphide poisoning.

The Platinum Band sensor offers a larger surface area of contact, diminishing the effects of contamination.

Specifications	ORPScan
Range	-99 to 1000 mV
Resolution	1 mV
Accuracy	± 2 mV
Calibration	± 150 mV offset adjustment
Battery Life	> 200 hrs
Electrode type	Double junction



Battery Compartment

- Waterproof by silicone O-ring
- Use common button cells
- Encloses calibration buttons (for EC/TDS models)

Top Battery Cover

- Easy to remove (no wires attached)
- Eyelet for lanyard attachment



Customized LCD

- Clear display with unit of measure
- Self-diagnostic messages
- Temperature readout (selected models)

Double Silicone O-ring

- Waterproof by silicone O-ring
- Prevents water seepage
- Allows easy replacement of electrode module

ABS Plastic

- Chemical resistance
- Physical durability
- Light enough to float

ASIC Microprocessor

- Precise and accurate calibrations
- Reliable readings
- Sophisticated features

Protective Cap

- Reduces contamination
- Protects Sensor

Push-button Operations

- Simple, quick and accurate
- Hassle free calibration procedures



Replaceable Electrode Module

- Increased life-span of meter
- Easy plug in/plug out connection
- Electrode modules for pH, EC/TDS, ORP

pH/ORP Electrode Module

- Glass bulb of special material tough but fast response
- Kynar® Reference junction – Minimizes contamination
- Double-junction reference with increased reservoir
- Valox® plastic – improved chemical and physical durability

EC/TDS Electrode Module

- 2-pin stainless-steel
- Minimal bubble entrapment
- Easy to clean

EC/TDS Plus Series Electrode Module

- Cup-type design for Scoop samples
- Requires minimum volume sampling
- For low-conductivity measurements

Main Features

