

# Main Features

- User-Replaceable Sensor
- Valox® Durable Plastic Casing
- IP67 Waterproof
- Easy To Use
- Quick, Stable & Accurate Results
- 2 Years Warranty

## Big On Features,



- Battery Compartment**
- Waterproof by silicone o-ring
  - Use common button cells
  - Encloses calibration buttons (for EC/TDS models)



- Customized LCD**
- Clear display with unit of measurement
  - Self-diagnostic messages
  - Temperature readout (selected models)



- Waterproof To IP67 Standard**
- Rugged, waterproof, and so light, it floats!
  - Unique anti-roll ribbed design ensures firm grip



- User-Replaceable Sensor Module**
- Use tester body over and over again
  - Easy plug in / plug out connection
  - Electrode modules for pH, EC/TDS, ORP



- pH/ORP Sensor Module**
- Glass bulb of special material
    - Tough with fast response
  - Kynar® reference junction
    - Minimizes contamination
  - Double-junction
  - Valox® plastic
    - Improved chemical and physical durability



**EC/TDS Plus Series Sensor Module**

- Cup-type design for scooping samples
- Requires minimum sample volume



**EC/TDS Sensor Module**

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



**Top Battery Cover**

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

**Strong Plastic Housing**

- Chemical resistance
- Physical durability

**ASIC Microprocessor**

- Precise and accurate calibrations
- Fast and reliable readings
- Sophisticated features

**Push-Button Operations**

- Simple, quick and accurate
- Hassle-free calibration procedures

**Double Silicone O-Ring**

- Waterproof by silicone o-ring
- Allows easy replacement of electrode module

**Protective Cap**

- Reduces contamination
- Protects sensor

Easy On Your Pocket.



## ECTestr® 11+; ECTestr® 11

### Dual and Multi-Range Testers with Manual or Auto-Ranging Options

Combining the ranges of three EC testers into one, Eutech's latest multi-range ECTestr® 11 series now measures a wider conductivity range from pure water to waste water, and comes with simultaneous temperature display, auto-ranging capabilities. Signature designs such as automatic temperature compensation and manual calibrations are retained, giving you accurate, reliable readings over a broad conductivity range every time you measure.

#### High Accuracy

- Up to 3 conductivity ranges from 0-200.0 µS/cm; 0-2000 µS/cm; and 0-20.00 mS/cm
- Calibrate up to 3 points to achieve maximum accuracy
- Selectable single/multi-point calibration with auto/manual options
- ±1 % full scale accuracy

#### Long Lasting

- Unique cup-style\* sensor with Valox® casing. Industrial grade SS316 stainless steel sensor element protects against harsh sample and ensures superior chemical durability
- Reduced operating cost – use tester body again and again with user-replaceable sensor
- Rugged and waterproof to IP67 standards. So light, it floats!

\* For ECTestr 11+

#### User-Friendly

- Auto-ranging capability allows convenient direct readout and optional range selection
- Temperature display with Celsius and Fahrenheit options – no need for separate thermometer!
- Calibration settings remain, even when you run out of batteries

**Applications:** • Water and wastewater treatment • Boiler blow-down • Agriculture • Electroplating rinse tanks • Drinking water • Hydroponics • Printing industry • Aquaculture • Aquariums and fish farms • Swimming pools • Verification of reverse osmosis system operation • Others

## Eutech Waterproof Conductivity & TDS Testers



## TDSTestr® 11+; TDSTestr® 11

### Dual and Multi-Range Testers with Manual or Auto-Ranging Options

Eutech's latest TDSTestr® 11 and 11+ combine the ranges of three testers, allowing TDS measurements over a broad range, from pure water to waste water. The new series comes with Simultaneous Temperature Display, Manual or Auto-ranging Options, as well as other retained benchmark features of Eutech testers, such as adjustable TDS factor and Automatic Temperature Calibration, making for a strong addition to Eutech's line of TDS testers.

#### High Accuracy

- Up to 3 conductivity ranges from 0-200.0 ppm; 0-2000 ppm; and 0-20.00 ppt
- Selectable TDS factor (0.40 to 1.00)
- Selectable single/multi-point calibration with auto/manual options
- ±1 % full scale accuracy

#### Long Lasting

- Unique cup-style\* sensor with Valox® casing. Industrial grade SS316 stainless steel sensor element protects against harsh sample and ensures superior chemical durability
- Reduced operating cost – use tester body again and again with user-replaceable sensor
- Rugged and waterproof to IP67 standards. So light, it floats!

\* For TDSTestr® 11+

#### User-Friendly

- Auto-ranging capability allows convenient direct readout and optional range selection
- Temperature display with Celsius and Fahrenheit options – no need for separate thermometer!
- Calibration settings remain, even when you run out of batteries

**Applications:** • Water and wastewater treatment • Boiler blow-down • Electroplating rinse tanks • Drinking water • Hydroponics • Printing industry • Aquaculture • Aquariums and fish farms • Swimming pools • Others



## SaltTestr 11

Eutech's latest SaltTestr 11 comes with temperature display in °C and °F for easy reference during salinity testing. Waterproof to IP67 standard, the SaltTestr 11 assures optimal performance even in harsh field conditions, from aquaculture settings to food production applications. The SaltTestr 11 retains functions such as user-replaceable sensor, automatic temperature compensation and manual calibration – benchmark features that make Eutech testers so easy to use.

### High Accuracy

- Extensive range of 0-10.00 ppt
- $\pm 1\%$  full scale accuracy

### Long Lasting

- Industrial grade SS316 stainless steel sensor element protects against harsh sample and ensures superior chemical durability
- Reduced operating cost – use tester body again and again with user-replaceable sensor
- Rugged and waterproof to IP67 standards. So light, it floats!

*\*For SaltTestr 11*

### User-Friendly

- Auto-ranging capability allows convenient direct readout and optional range selection
- Temperature display with Celsius and Fahrenheit options – no need for separate thermometer!
- Calibration settings remain, even when you run out of batteries

**Applications:** • Aquaculture • Aquariums and fish farms • Swimming pools • Food production • Others

## Eutech Waterproof Salt & ORP Testers



## ORPTestr® 10; ORPTestr® 10BNC

Fast, stable and precise – Eutech's ORPTestr®10 is designed with advanced microprocessor technology to give you up to  $\pm 2$  mV of accuracy across a wide measuring range. User-replaceable double-junction sensor with a wide platinum band provides highly accurate results even in wet and rugged environments. ORPTestr® 10BNC comes with BNC connector for use with a wider range of specialty electrodes.

### More Accurate

- $\pm 2$  mV full scale accuracy
- Wide range of -999 to 1000 mV

### More Savings

- User-replaceable double-junction Ag/AgCl polymer sensor
- Advanced power management – 500 hours of operation on one set of batteries

### More User-Friendly

- Large custom dual display LCD
- Non-volatile memory keeps your reading, even after batteries run out
- Waterproof to IP67 standard. So light, it floats!
- Simultaneous temperature display in Celsius and Fahrenheit

**Applications:** • Electroplating rinse tanks • Swimming pools • Chemical processing • Cyanide destruction • Chromate reduction • Others

# Eutech Waterproof Testers Accessories



Buffer & Calibration Solutions



Calibration Sachets



Buffer Tablets

**| Buffer & Calibration Solutions (480 ml) |** Eutech buffers and calibration solutions are available in packs of 480 ml durable plastic bottles – economical and convenient for laboratory use.

(MSDS and COA can be downloaded under "Support" at <http://www.eutechinst.com>)

Order Code	Part No.	Description
<b>pH Buffer Solutions (480 ml Per Bottle)</b>		
ECBU1BT	01X211211	pH 1.68 buffer solution
ECBU4BT	01X211201	pH 4.01 buffer solution
ECBU686BT	01X211242	pH 6.86 buffer solution
ECBU7BT	01X211202	pH 7.00 buffer solution
ECBU9BT	01X211222	pH 9.00 buffer solution
ECBU918BT	01X211271	pH 9.18 buffer solution
ECBU10BT	01X211203	pH 10.01 buffer solution
ECBU12BT	01X211212	pH 12.45 buffer solution
ECDPCBT	01X211216	Protein cleaning solution for pH electrode
ECRE005	01X211206	Storage solution for pH electrode
ECRE006	01X370502	Storage solution for 620 series electrode
<b>ORP Solutions (480 ml Per Bottle)</b>		
ECORPPRE	01X081500	Pre-treatment solution (475 mV)
ECORPQUIN	01X062700	Quinhydrone 255 (255 mV, ±15 mV @ 25 °C)
ECORPQUIN086	01X211215	Quinhydrone 86 (86 mV)
<b>Conductivity Standard Solution (480 ml Per Bottle)</b>		
ECCON84BT	01X211241	84 µS/cm KCl calibration solution
ECCON100BT	01X211217	100 µS/cm KCl calibration solution
ECCON500BT	01X211219	500 µS/cm KCl calibration solution
ECCON1413BT	01X211207	1413 µS/cm KCl calibration solution
ECCON2764BT	01X211214	2764 µS/cm KCl calibration solution
ECCON1288BT	01X211210	12.88 mS/cm KCl calibration solution
ECCON1118BT	01X211244	111.8 mS/cm KCl calibration solution
ECCON5000BT	01X211272	5.0 mS/cm KCl calibration solution
EC44250BT	01X109105	50 ppm 442 calibration solution
EC442300BT	01X109102	300 ppm 442 calibration solution
EC4421000BT	01X109104	1000 ppm 442 calibration solution
EC4423000BT	01X109101	3000 ppm 442 calibration solution
<b>TDS 442 Standard Solutions (480 ml Per Bottle)</b>		
EC44250BT	01X109105	50 ppm 442 calibration solution
EC442300BT	01X109102	300 ppm 442 calibration solution
EC4421000BT	01X109104	1000 ppm 442 calibration solution
EC4423000BT	01X109101	3000 ppm 442 calibration solution
<b>Salinity (NaCl) Standard Solutions (480 ml Per Bottle)</b>		
ECNACL5PPT	01X211230	5 ppt NaCl calibration solution
ECNACL25PPT	01X211231	25 ppt NaCl calibration solution
ECNACL45PPT	01X211232	45 ppt NaCl calibration solution

**| Calibration Sachets (20 x 20 ml Per Box) |** Economical NIST traceable sachets offer quick, accurate and convenient calibration. Simply insert electrode into sachet pack, calibrate, rinse and discard sachet – no separate container needed!

Order Code	Part No.	Description
<b>pH Buffer Sachets (20 x 20 ml Per Box)</b>		
ECBU4BS	01X223102	pH 4.01 buffer sachets (NIST traceable)
ECBU7BS	01X223101	pH 7.00 buffer sachets (NIST traceable)
ECBU10BS	01X223103	pH 10.01 buffer sachets (NIST traceable)
ECRINWT	01X223201	pH deionized water rinse sachets (NIST traceable)
<b>Conductivity/Salinity Sachets (20 x 20 ml Per Box)</b>		
ECCON10BS	01X219905	10 µS/cm KCl Conductivity sachets
ECCON447BS	01X219902	447 µS/cm KCl Conductivity sachets
ECCON1413BS	01X219901	1413 µS/cm KCl Conductivity sachets
ECCON2764BS	01X219903	2764 µS/cm KCl Conductivity sachets
ECCON15000BS	01X219904	15000 µS/cm KCl Conductivity sachets
ECCON3000BS	01X219906	3000 ppm KCl Salinity calibration sachets

**| Buffer Tablets (Box of 100 Tablets) |** These buffer tablets are perfect for small volumes of pH buffers needed for calibration of pocket pH testers. Simply dissolve a tablet in 30 ml of fresh distilled water; calibrates up to ±0.1 pH accuracy.

Order Code	Part No.	Description
<b>pH Buffer Tablets (10 Strips x 10 Tablets Per Box)</b>		
ECBU4BX	01X038201	pH 4 buffer tablets
ECBU7BX	01X038202	pH 7 buffer tablets
ECBU10BX	01X038203	pH 10 buffer tablets

# Eutech Waterproof Testers Comparison Tables





**| Warranty |** Eutech Instruments provides two years of warranty against manufacturing defects for our testers, and six months for our electrodes.




Eutech reserves the right to make changes, improvements and modifications to products shown.

pH/ORP Pocket Testers		pHTestr 30	pHTestr 20	pHTestr 10	pHTestr 10BNC	pH Spear	ORPTestr 10	ORPTestr 10BNC	
pH/mV	Range	-1.00 to 15.00 pH		-1.0 to 15.0 pH		-1.00 to 15.00 pH		-999 to +1000 mV	
	Resolution	0.01 pH		0.1 pH		0.01 pH		1 mV	
	Accuracy	±0.01 pH		±0.1 pH		±0.01 pH		±2 mV	
	Calibration Points	3 Auto						1 Manual	
	Buffer Sets	USA: 4.01 / 7.00 / 10.01 ; NIST: 4.01 / 6.86 / 9.18						-	
Temperature	Range	0 to 50.0 °C 32.0 to 122.0 °F		-		0 to 50.0 °C 32.0 to 122.0 °F		-	
	Resolution	0.1 °C / °F		-		0.1 °C / °F		-	
	Accuracy	±0.5 °C / 0.9 °F		-		-		-	
	Calibration Window	±5 °C / 9 °F from default value		-		-		-	
Meter Functions	ATC	Yes			No (MTC)		No		
	Sensor Type	Double-junction			BNC		Double-junction		
	Non-Volatile Memory	Yes							
	Auto-Off	8.5 Mins after last key pressed							
	Operating Temp.	0 to 50 °C							
	LCD Display	Custom dual display 2.7 cm (H) x 2.1 cm (W)							
	Power	4 x 1.5 V "A76" Micro alkaline batteries							
	Battery Life	> 500 Hours						> 250 Hours	
Dimensions ; Weight	Tester	16.5 x 3.8 cm ; 90 g				24 x 3.8 cm ; 103 g		16.5 x 3.8 cm ; 90 g	
	Boxed	22 x 6 x 5 cm ; 170 g				25.5 x 13.5 x 7.5 cm ; 240 g		22 x 6 x 5 cm ; 170 g	

Conductivity Pocket Testers		ECTestr 11+		ECTestr 11		
Range	0 to 200.0 µS/cm 0 to 2000 µS/cm 0 to 20.00 mS/cm			0 to 2000 µS/cm 0 to 20.00 mS/cm		
Resolution	0.1 µS/cm 1 µS/cm 0.01 mS/cm			10 µS/cm 0.10 mS/cm		
Accuracy	±1 % Full scale of each range					
Calibration Points	3 Auto, 3 Manual			2 Auto, 2 Manual		
Temperature	Range	0 to 50.0 °C or 32.0 to 122.0 °F				
	Resolution	0.1 °C / °F				
	Accuracy	±0.5 °C / 0.9 °F				
	Calibration Window	±5 °C / 9 °F				
Meter Functions	ATC	Yes (0 to 50 °C or 32.0 to 122.0 °F)				
	Sensor Type	Cup		Dip		
	Temp. Coefficient	2 % per °C				
	Normalization Temp.	25 °C				
	Non-Volatile Memory	Yes				
	Auto-Off	8.5 Mins after last key pressed				
	Operating Temp.	0 to 50 °C				
	LCD Display	Custom dual display 2.7 cm (H) x 2.1 cm (W)				
	Power	4 x 1.5 V "A76" Micro alkaline batteries				
Battery Life	> 150 Hours					
Dimensions ; Weight	Tester	16.5 x 3.8 cm ; 90 g				
	Boxed	22 x 6 x 5 cm ; 170 g				

TDS Pocket Testers		TDSTestr 11+	TDSTestr 11
			
Range		0 to 200.0 ppm 0 to 2000 ppm 0 to 10.00 ppt	0 to 2000 ppm 0 to 10.00 ppt
Resolution		0.1 ppm 1 ppm 0.01 ppt	10 ppm 0.10 ppt
Accuracy		±1 % Full scale of each range	
Calibration Points		3 Manual	2 Manual
TDS Factor		0.40 to 1.00 (Selectable)	
Temperature	Range	0 to 50.0 °C or 32.0 to 122.0 °F	
	Resolution	0.1 °C / °F	
	Accuracy	0.5 °C / 0.9 °F	
	Calibration Window	±5.0 °C / 9.0 °F	
Meter Functions	ATC	Yes (0.0 to 50.0 °C or 32.0 to 122.0 °F)	
	Sensor Type	Cup	Dip
	Temp. Coefficient	2 % per °C	
	Normalization Temp.	25.0 °C	
	Non-Volatile Memory	Yes	
	Auto-Off	8.5 Mins after last key pressed	
	Operating Temp.	0.0 to 50.0 °C	
	LCD Display	Custom dual display 2.7 cm (H) x 2.1 cm (W)	
	Power	4 x 1.5 V "A76" Micro alkaline batteries	
	Battery Life	> 150 Hours	
Dimensions ; Weight	Tester	16.5 x 3.8 cm ; 90 g	
	Boxed	22 x 6 x 5 cm ; 170 g	

Salinity Pocket Tester		SaltTestr 11
		
Range		0 to 10.00 ppt
Resolution		0.10 ppt
Accuracy		±1 % Full scale of each range
Calibration Points		1 Point
Temperature	Range	0 to 50.0 °C or 32.0 to 122.0 °F
	Resolution	0.1 °C / °F
	Accuracy	0.5 °C / 0.9 °F
	Calibration Window	±5.0 °C / 9.0 °F
Meter Functions	ATC	Yes (0.0 to 50.0 °C or 32.0 to 122.0 °F)
	Sensor Type	Dip
	Temp. Coefficient	2 % per °C
	Normalization Temp.	25.0 °C
	Non-Volatile Memory	Yes
	Auto-Off	8.5 Mins after last key pressed
	Operating Temp.	0.0 to 50.0 °C
	LCD Display	Custom dual display 2.7 cm (H) x 2.1 cm (W)
	Power	4 x 1.5 V "A76" Micro alkaline batteries
	Battery Life	> 150 Hours
Dimensions ; Weight	Tester	16.5 x 3.8 cm ; 90 g
	Boxed	22 x 6 x 5 cm ; 170 g



<< Wastewater Treatment  
>> Swimming Pools

<< Water Treatment  
>> Aquariums & Fish Farms