

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

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

#### WARRANTY

pHTestr 30

ON/OFF

DOUBLE JUNCTION

Eutech Instruments warrants its testers to be free from manufacturing defects for a period of 2 years and its electrodes/sensors for 6 months.





#### 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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Order No. Item

ECTEST10PURE

FCTFST10HIGH

ECTESTLOW

ECTESTHIGH

TDSTEST10PURE

TDSTEST10LOW

TDSTEST10HIGH

TDSTESTLOW

TDSTESTHIGH

EC-PHWPSENBNC

EC-PHWPSEN04

FC-PHWPSFN01

Distributed By:

PHTEST10BNC Waterproof pHTestr10 BNC

PHSPEAR Waterproof pHSpear

Waterproof pHTestr20 with ATC

Waterproof ORPTestr10 Waterproof pHTestr1

temperature display

Waterproof SaltTestr with ATC

waterproof pHSpear

FCTestr10+ Series:

SaltTestr10

TDSTestr10+ Series

ECTestr10 & ECTestr Series;

TDSTestr10 & TDSTestr Series;

Waterproof pHTestr2 with AT

Waterproof pHTestr10 with ATC Waterproof pHTestr30 with ATC & temperature display ECTEST10LOWPLS Waterproof ECTestr10 Low+ with ATC & temperature ECTEST10HIGHPLS Waterproof ECTestr10 High+ with ATC & temperature Waterproof ECTestr 10 Pure+ with ATC & Waterproof ECTestr10 Low with ATC Waterproof ECTestr10 High with ATC Waterproof ECTestr Low with ATC Waterproof ECTestr High with ATC TDSTEST10LOWPLS Waterproof TDSTestr10 Low+ with ATC & temperature TDSTEST10HIGHPLS Waterproof TDSTestr10 High+ with ATC & Waterproof TDSTestr10 Pure+ with ATC & Waterproof TDSTestr10 Low with ATC Waterproof TDSTestr10 High with ATC Waterproof TDSTestr Low with ATC Waterproof TDSTestr High with ATC Waterproof SaltTestr10 with ATC Replacement sensor for waterproof Replacement sensor for waterproof Replacement Double Junction Spear-tip Electrode for Replacement sensor for waterproof ORPTestr10 Replacement Sensor for Waterproof pHTestr1 Replacement Sensor for Waterproof pHTestr2 EC-TDSWPSENPLS Replacement sensor for waterproof, Cup type EC-TDSWPSENNEW Replacement sensor for waterproof, 2-pin type

EUTECH INSTRUMENTS

New Wave Of Waterproof Testers

## Comparison Table

Corporate Profile

Eutech Instruments is a dynamic

manufacturer of electrochemical

(Application Specific Integrated

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

t<mark>echnologies to t</mark>he design an<mark>d</mark>

instruments for water analysis.

Eutech offers a comprehensive

range of laboratory and field

on-line process instruments

for monitoring and control

of pH, Conductivity, Total

Dissolved Solids, Redox

Potential (ORP), Chlorine,

Turbidity, Dissolved Oxygen

(D0) and other water quality

parameters. Eutech products

are certified to comply with

global standards for

interference. Eutech

convenience products

for water analysis.

electromagnetic

emission and

Instruments is

dedicated to the

manufacture of

instrumentation for water

analysis and continuous

manufacture of advanced

apply new, emerging

Circuit) instruments, Eutech

company rapidly positioning

itself globally as a leading

instrumentation for water

analysis. A pioneer in

developing ASIC-based

Instruments has gained

international awards and

A Leader In The Field

of Electrochemical

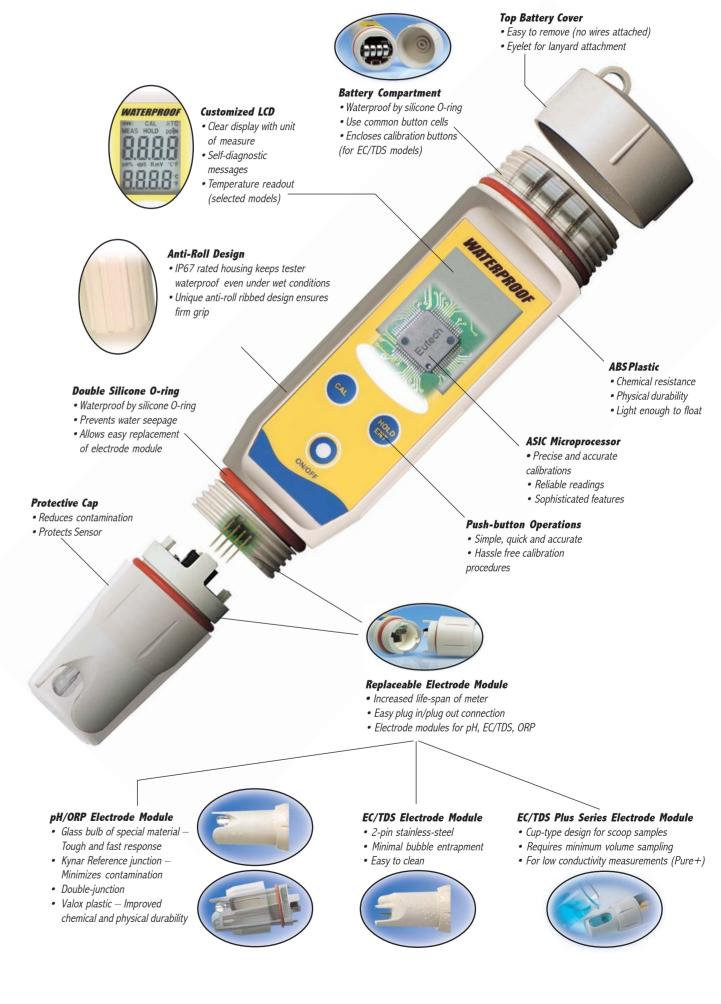
Instrumentation

				Waterproof	pH Pocket Test	ers: Dual and Si	ingle Display		
N	lodels	pHTestr10	pHTestr20	pHTestr30	pHTestr10BNC	pHSpear	ORPTestr10	pHTestr1	pHTestr2
Measuring Param	eter	рН	рН	pH, °C/°F	pH	pН	mV	рН	рН
Special Features		0.1 resolution	0.01 resolution	Temp display	BNC electrode connection	Open pore, Spear pH sensor	Platinium ring electrode	±0.2 pH Accuracy	±0.1 pH Accuracy
pH/mV Range		-1.0 to 15.0 pH	·				-999 to +1000 mV		15.0 pH
	Resolution	0.1 pH			1 pH		1 mV	0.1	1 pH
	Relative Accuracy	±0.1 pH		±0.	01 pH		±2 mV	±0.2 pH	±0.1 pH
_	Calibration Points				3		1		3
	Buffer Set				/ NIST		_		USA
Temperature	Range	0 to 50.0 °C — 32.0 to 122.0 °F			<u> </u>				
	Resolution	_	_	0.1 °C/ °F					
	Accuracy Calibration	-		±0.5 °C/0.9 °F ±5 °C/9 °F from					
	Window			default value					
Meter Functions	ATC		Yes			_	_		Yes
	Sensor Type		Double-junction		BNC Double-junction Single-junction			junction	
	Non-volatile Memory			,	Yes No				
	Auto-off				After 8.5 minutes from	om last key operation			
	Operating Temperature				0 to	50°C			
	Display				Dual				igle
	Power Requirements Requirements			4 x 1.5V "A 76" Mic	cro Alkaline Batteries				/ "A 76" ne Batteries
	Battery Life			> 500 hours	> 250 hours				
Dimensions/	Unit Only		16.5 x 3.8	cm / 90g		24 x 3.8 cm / 103g 16.5 x 3.8 cm / 90g			
Weight (cm/g)	Boxed		22 x 6 x 5	cm / 170 g		25.5 x 13.5 22 x 6 x 5 cm / 170g x 7.5 cm / 240 q			ı

		Waterproof Conductivity and TDS Pocket Testers: Dual and Single Display							
		ECTestr10 low	ECTestr10 high	ECTestr10 low+	ECTestr10 high+	ECTestr10 pure+	ECTestr low	ECTestr high	
Conductivity Model			100				ET C		
Range		0 to 1990 μS/cm	0 to 19.90 mS/cm	0 to 1999 μS/cm	0 to 19.99 mS/cm	0 to 199.9 μS/cm	0 to 1990 μS/cm	0 to 19.90 mS/cm	
Resolution		10 μS/cm	0.10 mS/cm	1 μS/cm	0.01 mS/cm	0.1 μS/cm	10 μS/cm	0.10 mS/cm	
Accuracy		1 -	,		±1% of Full Scale			,	
Calibration					1 point				
		TDSTestr10 low	TDSTestr10 high	TDSTestr10 low+	TDSTestr10 high+	TDSTestr10 pure+	TDSTestr low	TDSTestr high	
TDS Model			· · · · · · · · · · · · · · · · · · ·					id R	
Range		0 to 1990 ppm	0 to 10.00 ppt	0 to 1999 ppm	0 to 10.00 ppt	0 to 199.9 ppm	0 to 1990 ppm	0 to 10.00 ppt	
Resolution		10 ppm	0.10 ppt	1 ppm	0.01 ppt	0.1 ppm	10 ppm	0.10 ppt	
Accuracy					±1% of Full Scale				
Calibration TDS Factor					1 point				
	ations of Conductivity &	TOC		(	0.40 to 1.0 (selectable)				
Temperature	Range	103		O to	50.0 °C or 32.0 to 122	0 °E			
remperature	Resolution	_		0 10	0.1 °C / °F	.0 г	-		
	Accuracy			±0.5 °C / 0.9 °F			_		
	Calibration Window	-			±5 °C / 9 °F		-	_	
Meter Functions	ATC	Yes (0 to 50 °C)							
	Sensor Type	Pin	type	Cup type			Pin type		
	Temp. Coefficient				2 % per °C				
	Normalisation Temp.				25 °C				
	Non-volatile Memory				Yes				
	Auto off			After 8.5	minutes from last key o	peration			
	Operating Temp.				0 to 50 °C				
	Display				Dual Single				
	Power Requirement			4 x 1.5V	"A 76" Micro Alkaline B	atteries			
	Battery Life				> 150 hours				
Dimension /	Unit Only				16.5 x 3.8 cm; 90g				
Weight	Boxed				22 x 6 x 5 cm; 170g				

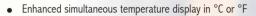
## Big on features, easy on your pocket

The latest range of large-screen Eutech pHTestr Series will keep you smiling with its large 27mm (H) x 21mm (W) custom dual-display LCD and IP67 waterproof housing and ribbed body for better grip and anti-roll function.



# Waterproof pHTestr 10, 20, 30, pHTestr 1 & 2

pHTestr30		
рН	Range	-1.00 to 15.00 pH
	Resolution	0.01 pH
[emperature	Relative Accuracy	±0.01 pH
	Calibration	3 points
	Buffer Set	USA / NIST
Temperature	Range	0 to 50.0 °C (32.0 to 122.0 °F)
	Resolution	0.1 °C/°F
	Accuracy	±0.5 °C/0.9 °F
	Calibration Window	±5 °C/9 °F from default value
Meter Functions	ATC	Yes
	Sensor Type	Double-junction
	Non-volatile Memory	Yes
	Auto-off	After 8.5 minutes from last key operation
	Operating Temperature	0 to 50°C
	Display	Dual
	Power Requirements	4 x 1.5V "A 76" Micro Alkaline Batteries
	Battery Life	> 500 hours
Dimensions/	Unit Only	16.5 x 3.8 cm / 90g
Weight	Boxed	22 x 6 x 5 cm / 170 g



Extended battery life

		pHTestr10	pHTestr20	
рН	Range	-1.0 to 15.0 pH	-1.00 to 15.00 pH	
Meter Functions	Resolution	0.1 pH	0.01 pH	
	Relative Accuracy	±0.1 pH	±0.01 pH	
	Calibration	3 pc	oints	
	Buffer Set	US	SA	
Meter Functions	ATC	Yes		
	Sensor Type	Double-junction		
	Non-volatile Memory	Yes		
	Auto-off	After 8.5 minutes from last key operation		
	Operating Temperature	0 to	50°C	
	Display	Du	ıal	
	Power Requirements	4 x 1.5V "A 76" Mic	ro Alkaline Batteries	
	Battery Life	> 500	hours	
Dimensions/	Unit Only	16.5 x 3.8	cm / 90g	
Weight	Boxed	22 x 6 x 5	cm / 170 g	

Extended battery life

		pHTestr1	pHTestr2	
рН	Range	-1.0 to 15.0 pH	-1.0 to 15.0 pH	
	Resolution	0.1 pH	0.1 pH	
	Relative Accuracy	±0.2 pH	±0.1 pH	
	Calibration	1 point	3 points	
	Buffer Set	l	JSA	
Meter Functions	ATC	_	Yes	
	Sensor Type	Single-junction		
	Non-volatile Memory	No		
	Auto-off	After 8.5 minutes from last key operation		
	Operating Temperature	0 to 50°C		
	Display	Si	ngle	
	Power Requirements	3 x 1.5V "A 76" Mi	cro Alkaline Batteries	
	Battery Life	> 25	0 hours	
Dimensions/	Unit Only	16.5 x 3.	8 cm / 90g	
Weight	Boxed	22 x 6 x 5	5 cm / 170 a	

#### Applications: Waterproof pHTestr 10, 20, 30, pHTestr1 and pHTestr2

General : Quick and accurate checks in pools and spas, aquariums and hydroponics operations, or anywhere frequent pH testing is required.

Industrial : Coolong towers, food processing, water and wastewater treatment, photo-development, printing and chemical industries.

Educational : Useful for most laboratory ecological studies and other applications.

# Waterproof pHTestr 10BNC, ORPTestr10, pHSpear

pHTestr10BNC		
pΗ	Range	-1.00 to 15.00 pH
	Resolution	0.01 pH
	Relative Accuracy	±0.01 pH
	Calibration	3 points
	Buffer Set	USA / NIST
Meter Functions	ATC	_
	Sensor Type	BNC
	Non-volatile Memory	Yes
	Auto-off	After 8.5 minutes from last key operation
	Operating Temperature	0 to 50°C
	Display	Dual
	Power Requirements	4 x 1.5V "A 76" Micro Alkaline Batteries
	Battery Life	> 500 hours
Dimensions/ Weight	Unit Only	16.5 x 3.8 cm / 90g
Weight	Boxed	22 x 6 x 5 cm / 170 g

Multi-electrode compatibility via BNC connector

#### Applications: Waterproof pHTestr10BNC

• Water & wastewater treatment • Aquariums • Pool & spa water • Hydroponics • Cooling towers

• Aquaculture • Agriculture • Water quality testing • Boilers • Ecology studies • and more.

ORPTestr10			
mV	Range	-999 to 1000 mV	
	Resolution	1 mV	
	Relative Accuracy	±2 mV	
	Calibration	1 point	
	Buffer Set	_	
Meter Functions	ATC	_	
	Sensor Type	Double-junction	
	Non-volatile Memory	Yes	
	Auto-off	After 8.5 minutes from last key operation	
	Operating Temperature	0 to 50°C	
	Display	Dual	
	Power Requirements	4 x 1.5V "A 76" Micro Alkaline Batteries	
	Battery Life	> 500 hours	
Dimensions/	Unit Only	16.5 x 3.8 cm / 90g	
Weight	Boxed	22 x 6 x 5 cm / 170 g	

 Large platinum ring electrode minimises contamination and delivers quick, stable repeatable results

#### Applications: Waterproof ORPTestr10

- Chromate reduction Cyanide oxidation Swimming pool water Pulp bleaching
- Cooling towers Aquaculture Drinking water Other redox applications.

pHSpear		
Н	Range	-1.00 to 15.00 pH
	Resolution	0.01 pH
	Relative Accuracy	±0.01 pH
	Calibration	3 points
	Buffer Set	USA / NIST
Meter Functions	ATC	_
Sensor Type Non-volatile Memory	Sensor Type	Double-junction
	Yes	
	Auto-off	After 8.5 minutes from last key operation
	Operating Temperature	0 to 50°C
	Display	Dual
	Power Requirements	4 x 1.5V "A 76" Micro Alkaline Batteries
	Battery Life	> 500 hours
Dimensions/	Unit Only	24 x 3.8 cm / 103g
Weight	Boxed	25.5 x 13.5 x 7.5 cm / 240 g

• Ideal direct measurement of solid or semi solid samples with tough spear tip open

#### Applications: Waterproof pHSpear

• Bread • Meat • Cheese • Salami • Ice-cream • Poultry • Fruits • Other Dairy Products.

## Waterproof Conductivity Testr — High+/Low+/Pure+ Series

Range Resolution Accuracy	0 to 1999 μS/cm 1 μS/cm	0 to 19.99 mS/cm	0 to 199.9 μS/c		
	1 μS/cm				
Accuracy		0.01 mS/cm	0.1 μS/cm		
	±1% of Full Scale				
Calibration		1 point			
Range	0.0 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			
ATC	Yes (0 to 50 °C)				
Sensor Type	Cup type				
Temperature Coefficient	2% per °C				
Normalisation Temperature	25 °C				
Non-volatile Memory	Yes				
Auto-off	After 8	.5 minutes from last key o	peration		
Operating Temperature		0 to 50 °C			
Display		Dual			
Power Requirements	4 x 1.5	V "A 76" Micro Alkaline E	Batteries		
Battery Life		> 150 hours			
Unit Only		16.5 x 3.8 cm / 90g			
Boxed		22 x 6 x 5 cm / 170 g			
	Range Resolution Accuracy Calibration Window ATC Sensor Type Temperature Coefficient Normalisation Temperature Non-volatile Memory Auto-off Operating Temperature Display Power Requirements Battery Life Unit Only	Range 0.0 t Resolution Accuracy Calibration Window ATC Sensor Type Temperature Coefficient Normalisation Temperature Non-volatile Memory Auto-off After 8 Operating Temperature Display Power Requirements 4 x 1.5 Battery Life Unit Only	Range         0.0 to 50.0 °C or 32.0 to 122           Resolution         0.1 °C / °F           Accuracy         ±0.5 °C / 0.9 °F           Calibration Window         ±5 °C / 9 °F           ATC         Yes (0 to 50 °C)           Sensor Type         Cup type           Temperature Coefficient         2% per °C           Normalisation Temperature         25 °C           Non-volatile Memory         Yes           Auto-off         After 8.5 minutes from last key of the composition of		

### '+' series features

- Simultaneous temperature display in °C or °F
- Easy cup type sensor



		ECTestr10 low	ECTestr10 high	ECTestr low	ECTestr high		
Conductivity	Range	0 to 1990 μS/cm	0 to 19.90 mS/cm	0 to 1990 μS/cm	0 to 19.90 mS/cm		
·	Resolution	10 μS/cm	0.10 mS/cm	10 μS/cm	0.10 mS/cm		
	Accuracy		±1% of Full Scale				
Meter Functions A' Si T.	Calibration	1 point					
Meter Functions	ATC	Yes (0 to 50 °C)					
	Sensor Type	Pin type					
	Temperature Coefficient	Coefficient 2% per °C					
	Normalisation Temperature	25 °C					
	Non-volatile Memory	Yes					
	Auto-off	After 8.5 minutes from last key operation					
	Operating Temperature	0 to 50 °C					
	Display	Du	ual	Si	ngle		
	Power Requirements		4 x 1.5V "A 76" Mic	ro Alkaline Batteries			
	Battery Life		> 150	) hours			
Dimensions/	Unit Only		16.5 x 3.8	3 cm / 90g			
Weight	Boxed		22 x 6 x 5	cm / 170 g			

ECTestr pure+

### Applications: Waterproof ConductivityTestr/TDSTestr

ECTestr/TDSTestr Low: Measure conductivity in natural water, verify reverse osmosis system operation and check water quality in hydroponics.

ECTestr/TDSTestr High : To measure conductivity in salt water, waste water, cooling tower water, boiler concentrate as well as monitor nutrient solution concentration in hydroponics applications. Other applications include checking for salinity in ponds, recirculating systems, and pools and spas.

For use in water and wastewater treatment, boiler blow-down, electroplating rinse tanks, drinking water, hydroponics, printing industry, aquaculture, aquariums, fish farms, swimming pools and spas.

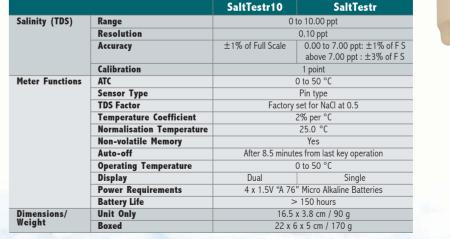
Waterproof TDSTestr — High+/Low+/Pure+ Series



		TDSTestr10 low+	TDSTestr10 high+	TDSTestr10 pur		
TDS	Range	0 to 1999 ppm	0 to 10.00 ppt	0 to 199.9 ppm		
	Resolution	1 ppm	0.01 ppt	0.1ppm		
	Accuracy		±1% of Full Scale			
	Calibration		1 point			
	TDS Factor		0.40 to 1.0 (selectable)			
Temperature	Range	0.0	to 50.0 °C or 32.0 to 122.0	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)				
	Sensor Type	Cup type				
	Temperature Coefficient	2% per °C				
	Normalisation Temperature	<b>e</b> 25 °C				
	Non-volatile Memory		Yes			
	Auto-off	After	3.5 minutes from last key op	eration		
	Operating Temperature		0 to 50 °C			
	Display		Dual			
	Power Requirements	4 x 1.	5V "A 76" Micro Alkaline Ba	tteries		
	Battery Life	> 150 hours				
Dimensions/	Unit Only		16.5 x 3.8 cm / 90g			
Weight	Boxed		22 x 6 x 5 cm / 170 g			

		TDSTestr10 low	TDSTestr10 high	TDSTestr low	TDSTestr high	A		
	Range	0 to 1990 ppm	0 to 10.00 ppt	0 to 1990 ppm	0 to 10.00 ppt			
	Resolution	10 ppm	0.10 ppt	10 ppm	0.10 ppt			
	Accuracy		±1% of Ful	l Scale		J		
	Calibration		1 point					
	TDS Factor		0.40 to 1.0 (s	electable)				
Functions	ATC		Yes (0 to 50 °C)					
	Sensor Type		MEAS out					
	Temperature Coefficient			חחחו				
	Normalisation Temperature		IU.UU					
	Non-volatile Memory							
	Auto-off		ACCUPATION OF					
	Operating Temperature		TDSTestr high					
	Display	Dual	Too room might					
	Power Requirements		HOLD					
	Battery Life		> 150 h	ours				
sions/	Unit Only		16.5 x 3.8 cm / 90g					
t	Boxed		22 x 6 x 5 cm	n / 170 g		ON/OFF		





#### Applications: Waterproof SaltTestr

: For quick, accurate salinity measurements in laboratories, field and schools. Water Quality Testing : Ideal for salt levels in brines, pool water, aquaculture systems, aquariums (marine fish) and fish ponds (koi), food processing and healthcare industries.













