



## Eutech 5+ & 6+ Series Economy Handheld

- pH • ORP • Ion • Conductivity • TDS
- Salinity • Dissolved Oxygen

SOLUTIONS FOR WATER ANALYSIS

**EUTECH**  
**INSTRUMENTS**  
*Technology Made Easy ...*



## Main Features

- Easy To Use
- Self-Diagnostic
- IP54 Rating
- Convenient Push-Button Calibration
- Energy-Saving & Low Maintenance
- Compact & Lightweight



**Rubber Boot** protects against knocks and hits



**Easy-To-Read Display**  
Customised LCD screen



**Tactile Keypad**  
with simple, straightforward design for easy operation



**Compact Design Fits Your Palm Perfectly**  
Designed for easy single-hand operation



**Convenient Benchtop Stand**



### User-Friendly

Diagnostic, easy to understand trouble-shooting prompts

### Splashproof & Shock-Resistant

Built with shock-resistant ABS plastic and protected by an IP54-rated housing against accidental splashes

### Hold Function

Freezes readings momentarily for easy viewing and recording

### Energy and Cost Saving

Switches off automatically after 20 minutes of inactivity

### Automatic Temperature Compensation

Accurate readings, even under varying temperature conditions

### Non-Volatile Memory

Meter settings are saved, even when batteries run out



## Eutech Ion 6+

### pH / ORP / Ion / Temperature

The Eutech Ion 6+ is value-for-money, offering measurements for pH, ORP, temperature and ion concentration. With its compact and sturdy design, the lightweight meter is your ideal choice for field and lab work.

- Convenient and easy to use with pre-programmed Ion calibration points
- mV mode allows you to check electrode calibration and performance
- Offers a wide measurement range of up to  $\pm 500$  mV
- Compatible with a large variety of ISE electrodes

**Applications:** • Pools and spas • Ponds and aquariums • Agriculture and hydroponics • Water and wastewater treatment • Cooling towers • Food processing • Photo-development and printing • Ecological studies • Field, laboratory and education institutions

## Eutech Ion 6+; pH 6+; pH 5+



## Eutech pH 6+; Eutech pH 5+

### pH / ORP / Temperature

Eutech's pH 6+ and pH 5+ offer you the greatest value-for-money for your basic pH measurement needs. Rugged and user-friendly, these no-frill meters come with protective IP54 rubber boots for protection against harsh field elements.

- High pH accuracy of  $\pm 0.01$
- 3-point push-button calibration with auto-buffer recognition – quick, easy calibration with no mistakes
- Self-diagnostic messages for easy trouble-shooting
- Switch between pH and Temperature readouts easily with the press of a button

### Expanded Features of Eutech pH 6+

- Measures ORP in addition to pH and Temperature

**Applications:** • Pools and spas • Ponds and aquariums • Agriculture and hydroponics • Water and wastewater treatment • Cooling towers • Food processing • Photo-development and printing • Ecological studies • Field, laboratory and education institutions





## Eutech COND 6+; Eutech TDS 6+

### Conductivity / Temperature ; Total Dissolved Solids / Temperature

Sturdy and economical, the Eutech COND 6+ and Eutech TDS 6+ combine ease-of-use with high performance. The handy meters are IP54 splashproof and come with a conductivity/TDS electrode with automatic temperature compensation function – great for fieldwork and value-for-money!

- Up to 5-point push-button calibration with auto-buffer recognition – quick, easy calibration with no mistakes
- Up to  $\pm 1\%$  full scale accuracy
- Selectable automatic/manual temperature compensation
- Eutech COND 6+ features auto-ranging capability for Conductivity measurements
- Eutech TDS 6+ features adjustable TDS factor for direct derivation of values

**Applications:** • Pools and spas • Ponds and aquariums • Agriculture and hydroponics • Water and wastewater treatment • Cooling towers • Food processing • Photo-development and printing • Ecological studies • Field, laboratory and education institutions

## Eutech COND 6+, TDS 6+ & Salt 6+



## Eutech Salt 6+

### Salinity / Temperature

The lightweight Eutech Salt 6+ offers  $\pm 1\%$  full scale accuracy and comes with an electrode designed with in-built automatic temperature compensation function – handy, accurate and very user-friendly.

- Measures in ppt and %
- Temperature readings accurate to  $0.1\text{ }^{\circ}\text{C}$
- Electrode with built-in ATC designed for minimal air bubble entrapment during measurement
- User-customisation for normalisation temperature and temperature coefficient
- Quick and easy push-button calibration
- Non-linear salt curve provide enhanced accuracy

**Applications:** • Pools and spas • Ponds and aquariums (marine fish) • Agriculture and hydroponics • Brines • Food processing and healthcare industry • Ecological studies • Field, laboratory and education institutions

# Eutech DO 6+



## Eutech DO 6+

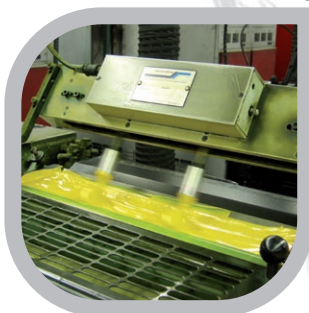
### Dissolved Oxygen / Temperature

Eutech's DO 6+ offers high performance at an affordable price. Rugged and user-friendly, this no-frills meter comes in a sturdy IP54-rated housing, and measures in both mg/L (ppm) and % saturation.

- Push-button calibration with auto-buffer recognition for quick and easy calibration with no mistakes
- Calibration can be performed at 100 % and/or at 0 % against a known solution
- Auto-compensation of Salinity and Barometric Pressure with manual input
- Galvanic probe eliminates polarisation delay and delivers quick, stable response – no warm-up time required!

**Applications:** • Ponds and aquariums • Aquaculture (catfish and shrimp farming) • Water and wastewater treatment • Recirculating systems • Industrial process systems • Water-quality testing • Surface and ground water testing (meet EPA regulations) • Ecological studies and monitoring • Field, laboratory and education institutions

<< Printing



<< Swimming Pool



<< Aquarium



Eutech

## Economy Handheld Accessories

**| Cyberkit |** The Cyberkit consists of a carry case made of sturdy reinforced plastic, calibrating sachets and sample bottles thoughtfully designed to hold your meter and electrodes. It's all you need for your outfield measurements.

**| Electrodes |** Eutech offers an extensive selection of epoxy and glass-body electrodes for a wide range of parameters and applications. Combination designs are convenient and require no separate sensing and reference half-cell electrodes.

**| 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>)

**| 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!



Electrodes



pH Buffer Solutions



pH Buffer Sachets



Cyberkit



# Economy Handheld Ordering Information

## Meters

Model	Order Code	Part No.	Description
Ion	ECION602PLUSK	01X256410	Eutech Ion 6+ Ion/pH/mV Meter with Single Junction pH Electrode ECFC7252101B, ATC Electrode ECPH5TEM01P & pH Carrying Kit Set (Includes 1 x pH 4.01, pH 7.00 Buffer Solutions, Storage Solution & 1 x Deionised (Rinse) Water (60 ml Each))
Ion	ECION601PLUS	01X256409	Eutech Ion 6+ Ion/pH/mV Meter with ATC Electrode ECPH5TEM01P
pH	ECPH603PLUSK	01X245027	Eutech pH 6+ pH/mV Meter with "3-in-1" pH/Temperature Combi Electrode ECFC7352901B & pH Carrying Kit Set (Includes 1 x pH 4.01, pH 7.00 Buffer Solutions, Storage Solution & 1 x Deionised (Rinse) Water (60 ml Each))
pH	ECPH602PLUSK	01X245026	Eutech pH 6+ pH/mV Meter with Single Junction pH Electrode ECFC7252101B, ATC Electrode ECPH5TEM01P & pH Carrying Kit Set (Includes 1 x pH 4.01, pH 7.00 Buffer Solutions, Storage Solution & 1 x Deionised (Rinse) Water (60 ml Each))
pH	ECPH601PLUSK	01X245028	Eutech pH 6+ pH/mV Meter with ATC Electrode ECPH5TEM01P & pH Carrying Kit Set (Includes 1 x pH 4.01, pH 7.00 Buffer Solutions, Storage Solution & 1 x Deionised (Rinse) Water (60 ml Each))
pH	ECPH601PLUS	01X245025	Eutech pH 6+ pH/mV Meter with ATC Electrode ECPH5TEM01P
pH	ECPH503PLUSK	01X244913	Eutech pH 5+ pH Meter with "3-in-1" pH/Temperature Combi Electrode ECFC7352901B & pH Carrying Kit Set (Includes 1 x pH 4.01, pH 7.00 Buffer Solutions, Storage Solution & 1 x Deionised (Rinse) Water (60 ml Each))
pH	ECPH502PLUSK	01X244912	Eutech pH 5+ pH Meter with Single Junction pH Electrode ECFC7252101B, ATC Electrode ECPH5TEM01P & pH Carrying Kit Set (Includes 1 x pH 4.01, pH 7.00 Buffer Solutions, Storage Solution & 1 x Deionised (Rinse) Water (60 ml Each))
pH	ECPH501PLUS	01X244911	Eutech pH 5+ pH Meter with ATC Electrode ECPH5TEM01P
COND	ECCON603PLUSK	01X289425	Eutech COND 6+ Conductivity Meter with Electrode ECCONSEN91B & Conductivity Carrying Kit Set (Includes 1 x 1413 µS, 12.88 mS, 84 µS KCL Standard Solutions & 1 x Deionised (Rinse) Water (60 ml Each))
COND	ECCON603PLUS	01X289426	Eutech COND 6+ Conductivity Meter with Electrode ECCONSEN91B
TDS	ECTDS603PLUSK	01X289427	Eutech TDS 6+ TDS Meter with Electrode ECCONSEN91B & TDS Carrying Kit Set (Includes 1 x 3000 ppm, 300 ppm, 50 ppm 442 Standard Solutions & 1 x Deionised (Rinse) Water (60 ml Each))
TDS	ECTDS603PLUS	01X289428	Eutech TDS 6+ TDS Meter with Electrode ECCONSEN91B
Salt	ECSALT603PLUSK	01X289429	Eutech SALT 6+ Salinity Meter with Electrode ECCONSEN91B & Salinity Carrying Kit Set (1 x 5 ppt, 25 ppt, 45 ppt NaCl Standard Solutions & 1 x Deionised (Rinse) Water (60 ml Each))
Salt	ECSALT603PLUS	01X289430	Eutech SALT 6+ Salinity Meter with Electrode ECCONSEN91B
DO	ECDO602PLUSK	01X370113	Eutech DO 6+ Dissolved Oxygen Meter with 3 m Cable Electrode ECDO6HANDY3M, 2 Assembled Membrane Cap Housing, 1 Refilling Electrolyte (10 ml) & Carrying Kit Set
DO	ECDO601PLUSK	01X370114	Eutech DO 6+ Dissolved Oxygen Meter with 1 m Cable Electrode ECDO6HANDY, 2 Assembled Membrane Cap Housing, 1 Refilling Electrolyte (10 ml) & Carrying Kit Set

## Electrodes & Accessories

Model	Order Code	Part No.	Description
pH	ECFC7252101B	01X099412	General Purpose Plastic-Body Single Junction Gel-Filled pH Combination Electrode, 12x110 mm, BNC Connector, 1 m Cable
pH	ECFC7252201B	01X099417	General Purpose Plastic-Body Double Junction Gel-Filled pH Combination Electrode, 12x110 mm, BNC Connector, 1 m Cable
pH	ECFC72522R01B	01X099414	General Purpose Plastic-Body Double Junction Refillable pH Combination Electrode, 12x90 mm, BNC Connector, 1 m Cable & 10 ml Refilling Electrolyte
pH	ECFC7352901B	01X218964	General Purpose Plastic-Body "3-In-1" pH/Temp Combination Electrode, 12x90 mm, BNC Connector, 1 m Cable
pH	ECPH5TEM01P	01X021804	ATC Electrode; 1 m Cable
pH	ECECOPHKIT	01X266901	Economy pH Carrying Kit Set – Plastic Carrying Case Comprises: 1 x pH 4.01, pH 7.00 Buffer Solutions, Storage Solution & 1 x Deionised (Rinse) Water (60 ml Each)
COND TDS/Salt	ECCONSEN91B	01X244701	2 Stainless Steel Rings Ultem-Body Electrode with ATC, Cell Constant K=1.0, 12x110 mm, BNC Connector, 1 m Cable
COND TDS/Salt	ECECOCONKIT	01X266902	Economy Conductivity/TDS Carrying Kit Set – Plastic Carrying Case Comprises: 1 x 1413 µS, 12.88 mS KCl & 3000 ppm 442 Standard Solutions & 1 x Deionised Rinse Water (60 ml)
DO	ECDO6HANDY3M	01X233916	Galvanic Dissolved Oxygen Electrode with ATC, 3 m Cable
DO	ECDO6HANDY	01X233913	Galvanic Dissolved Oxygen Electrode with ATC, 1 m Cable
DO	01X241608	01X241608	Assembled Membrane Cap Housing for ECDO6HANDY & ECDO6HANDY3M
Others	ECECODRYKIT	01X266903	Economy Neutral Carrying Kit Set – Plastic Carrying Case Comprises: 4 x Empty Sample Bottles (60 ml)






# Economy Handheld Specification Tables



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



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




pH/Oxidation Reduction Potential (ORP) Economy Handheld Meters		Ion 6+	pH 6+	pH 5+
				
pH	Range	0.00 to 14.00 pH		
	Resolution	0.01 pH		
	Accuracy	±0.01 pH		
	Calibration Points	Up to 3		
	Buffer Sets	USA, NIST, PWB		
Ion	Range	0.01 to 0.99, 1.0 to 199.9, 200 to 1999 ppm	–	–
	Resolution	0.01, 0.1, 1 ppm	–	–
	Accuracy	±1 % full scale	–	–
	Calibration Points	Up to 3	–	–
Temperature	Range	0.0 to 100.0 °C		
	Resolution	0.1 °C		
	Accuracy	±0.5 °C		
ORP	Range	±500 mV	±1000 mV	–
	Resolution	0.1 mV (±199.9); 1 mV (beyond)	1 mV	–
	Accuracy	±0.2 mV (±199.9); ±2 mV (beyond)	±2 mV	–
Meter Features	Temperature Compensation	ATC/MTC (0 °C to 100 °C)		
	IP Rating	IP54		
	Hold Function	Yes		
	Auto-Off	20 mins after last key press		
	Average/Stability	Yes		
	Inputs	BNC, 2.5 mm phono socket		
	Power Requirements	4x 1.5 V 'AAA' alkaline batteries ; >200 hours		
Dimensions (LxWxH); Weight	Meter	15.7 x 8.5 x 4.2 cm ; 255 g		
	Boxed	24 x 17 x 8 cm ; 555 g		

Conductivity/Total Dissolved Solids (TDS) Economy Handheld Meters		COND 6+	TDS 6+
			
Conductivity	Range	.. to 19.99 µS/cm, 19.9 µS/cm to 199.9 µS/cm, 199 µS/cm to 1999 µS/cm, 2.00 mS/cm to 19.99 mS/cm, 20.0 mS/cm to 199.9 mS/cm	–
	Resolution	0.05 % full scale	–
	Accuracy	±1 % full scale + 1 LSD	–
TDS	Range	–	.. to 9.99 ppm *, 10.0 ppm to 99.9 ppm, 100 ppm to 999 ppm, 1.00 ppt to 9.99 ppt, 10.0 ppt to 99.9 ppt
	Resolution	–	0.05 % full scale
	Accuracy	–	±1 % full scale + 1 LSD
	TDS Factor	–	0.40 to 1.0
Calibration Points		4 (1 per range) auto, 5 (1 per range) manual	5 (1 per range) manual
Temperature	Range	0.0 to 80.0 °C / 32 to 176 °F (with supplied probe)	
	Resolution	0.1 °C / 0.1 °F	
	Accuracy	±0.5 °C / ±0.9 °F	
	Coefficient	0.0 to 3.0 %	
	Normalisation	20.0 or 25.0 °C	
	Operating Range	0 to 50 °C	
Meter Features	Cell Constant	0.1, 1.0, 10.0	
	Temperature Compensation	ATC/MTC (0 °C to 80 °C) (with supplied probe)	
	IP Rating	IP54	
	Hold Function	Yes	
	Auto-Off	20 mins after last key press	
	Inputs	BNC, 2.5 mm phono socket	
	Power Requirements	4x 1.5 V 'AAA' alkaline batteries ; >100 hours	
Dimensions (LxWxH); Weight	Meter	15.7 x 8.5 x 4.2 cm ; 255 g	
	Boxed	24 x 17 x 8 cm ; 555 g	

\* Maximum 199.9 ppt depending on factor setting



Salinity Economy Handheld Meter		Salt 6+
		
Salinity (TDS)/%	Range	.. to 50.0 ppt / .. to 5.00 %
	Resolution	0.1 ppt / 0.01 %
	Accuracy	±1 % full scale
	Calibration Points	1
Temperature	Range	-10 to 80 °C
	Resolution	0.1 °C
	Accuracy	±0.5 °C
	Coefficient (Per °C)	0.0 to 3.0 %
	Normalisation	20.0 °C and 25.0 °C (selectable)
Meter Features	Temperature Compensation	ATC/MTC (0 to 50 °C)
	IP Rating	IP54
	Hold Function	Yes
	Auto-Off	20 mins after last key press
	Inputs	BNC, 2.5 mm phono socket
	Power Requirements	4x 1.5 V 'AAA' alkaline batteries ; >100 hours
Dimensions (LxWxH); Weight	Meter	15.7 x 8.5 x 4.2 cm ; 255 g
	Boxed	24 x 17 x 8 cm ; 555 g

Dissolved Oxygen (DO) Economy Handheld Meter		DO 6+
		
Dissolved Oxygen	Range	0.00 to 19.99 mg/L or ppm
	Resolution	0.01 mg/L or ppm
	Accuracy	±1.5 % full scale
% Of Saturation Of Oxygen	Range	0.0 to 199.9 %
	Resolution	0.10 %
	Accuracy	±1.5 % full scale
Temperature	Range	0.0 to 50.0 °C / 32 to 122 °F
	Resolution	0.1 °C
	Accuracy	±0.5 °C
Salinity Correction	Range	0.0 to 50.0 ppt
	Resolution	0.1 ppt
	Method	Automatic correction after manual input
Barometric Pressure Correction	Range	500 to 1499 mmHg or 66.6 to 199.9 kPa
	Resolution	0.1 mmHg or 0.1 kPa
	Method	Automatic correction after manual input
Calibration		2-point (0 %, 100 %), 1-point (mg/L)
Probe	Type	Galvanic
Meter Features	Temperature Compensation	ATC/MTC (0.0 °C to 50.0 °C)
	IP Rating	IP54
	Hold Function	Yes
	Auto-Off	20 mins after last key press
	Inputs	BNC, 2.5 mm phono socket
	Power Requirements	4x 1.5 V 'AAA' alkaline batteries ; >100 hours
Dimensions (LxWxH); Weight	Meter	15.7 x 8.5 x 4.2 cm ; 255 g
	Boxed	24 x 17 x 8 cm ; 555 g



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**Use the above details to contact us if this literature doesn't answer all your questions.**

**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

