

Eutech 700 Series

Bench Meters

• pH • ORP • Ion • Conductivity • TDS
• Dissolved Oxygen • Temperature

SOLUTIONS FOR WATER ANALYSIS

EUTECH
INSTRUMENTS
Technology Made Easy ...





Features

- Simple Operation
- Dual Measurement Includes Temperature Display With All Readings
- 100 Point Memory
- Detachable Electrode Holder
- Compact Footprint Saves Valuable Bench Space
- Custom Setup Options
- Hold Function And Stability Indicator
- 3-Year Warranty



Generous Display
with large digits



Splashproof Keypad
protects against incidental spills



Non-Skid Pads
Hold meter steady during operation



Multi-Electrode Holder
More organised, less space occupied



Electrode Arm
can be used on either side



Slide-Out Quick Reference Guide
For quick, convenient referencing



Bench 700 Series

Comparison Table

Meter Features	pH 700	Ion 700	CON 700	DO 700	PC 700
					
pH & mV	✓	✓			✓
Ion		✓			
Temperature	✓	✓	✓	✓	✓
Conductivity & TDS			✓		✓
Dissolved Oxygen				✓	
Memory	100 data sets				
Power Requirements	9 V DC adapter, 3.3 A (100/240 VAC, SMPS)				
Dimension ; Weight	Meter: 17.5 (L) x 15.5 (W) x 6.9 (H) cm ; 650 g ; Boxed: 30.8 (L) x 23.5 (W) x 12.4 (H) cm ; 1800 g				



pH 700

pH / mV-Redox-ORP / Temperature
Economical, user-friendly and accurate, the Eutech pH 700 is your ideal choice for routine applications in laboratories, productions plants and schools.

- Large, easy-to-read display
- Ready indicator let you know when readings are stable
- Up to 5-point calibration with auto-buffer recognition
- Non-volatile memory holds up to 100 data points
- Integral electrode holder

Applications:
• ***Educational:*** *Useful for most laboratory, ecological studies and other applications.* • ***Laboratory:*** *Environmental studies, chemical labs, titrations and quality assurance testing. Use in all types of food processing.*

Eutech pH 700 & Ion 700







Ion 700

pH / Ion / mV-Redox-ORP / Temperature
Ion-selective electrode measurement has never been this easy – or economical! The Ion 700 measures and records up to 100 data points with 0.01 resolution.

- Meter accepts pH, Redox or Ion selective electrodes – it's like having three meters in one!
- Large, easy-to-read display
- Direct Ion concentration measurement – use with many different Ion-selective electrodes
- Up to 5-point calibration with auto-buffer recognition
- Non-volatile memory holds up to 100 data points
- Integral electrode holder

Applications:
• ***Educational:*** *Useful for most laboratory, ecological studies and other applications.* • ***Laboratory:*** *Environmental studies, chemical labs, titrations and quality assurance testing. Use in all types of food processing.*



CON 700

Conductivity / Total Dissolved Solids / Temperature
The economy Eutech CON 700 offers years of reliable, accurate and consistent performance. User-friendly features make the instrument an ideal research partner in laboratories, productions plants and schools.

- Large screen that displays Conductivity or TDS readings with Temperature in ºC or ºF
- Ready indicator let you know when readings are stable
- Selectable cell constant
- Auto-ranging across 5 Conductivity and TDS ranges
- Up to 5-point push button calibration
- Non-volatile memory holds up to 100 data points
- Integral electrode holder

Applications: • *Environmental studies* • *Chemical laboratories* • *Quality assurance testing* • *Food science* • *Ecological studies* • *Education institution*

Eutech CON 700 & DO 700







DO 700

Dissolved Oxygen / Temperature
Economical, user-friendly and accurate, the Eutech DO 700 is your ideal choice for routine applications in laboratories, productions plants and schools.

- Dissolved Oxygen measurements in ppm, mg/L or % saturation
- Accurate readings in varying conditions with Temperature, Salinity and Barometric Pressure Compensation
- Large, easy-to-read display
- Ready indicator let you know when readings are stable
- Non-volatile memory holds up to 100 data points
- Integral electrode holder

Applications: • *Environmental studies* • *Wastewater and water treatment* • *Ecological studies* • *Education institution*

Eutech PC 700







PC 700

pH / mV-Redox-ORP / Conductivity / Total Dissolved Solids / Temperature
The multi-parameter Eutech PC 700 measures pH, ORP, conductivity and temperature with a single meter. User-friendly with advanced features and a large custom-size display – perfect for research work on a budget!

- Large screen in a compact footprint
- Meter accepts pH and Redox electrodes, in addition to Conductivity/TDS – it's like having four meters in one!
- Up to 5-point push button calibration
- Selectable cell constant
- Auto-ranging across 5 Conductivity ranges
- Easy interchangeability of probes
- Non-volatile memory holds up to 100 data points
- Integral electrode holder

Applications: • *Water quality testing* • *Checking metal finishes* • *Solutions* • *Cooling tower water* • *Printing fountain solutions* • *Boiler water* • *Brines* • *Drilling mud* • *Rinse tanks* • *Ponds* • *Pollution control* • *Recirculating systems* • *Waste water* • *Industrial process systems* • *General use in laboratories* • *Titration* • *Quality assurance* • *Ecological studies* • *Food-processing*

Ordering Information

Meters

Model	Order Code	Part No.	Description
pH	ECPH70042S	01X541605	Eutech pH 700 Meter With pH Electrode (ECFC7252101B), ATC Probe (PH5TEMB01P), Integral Electrode Holder & 100/240 VAC Adapter
pH	ECPH70040S	01X541603	Eutech pH 700 Meter With Integral Electrode Holder & 100/240 VAC Adapter
pH	ECPH70040	01X541601	Eutech pH 700 Meter 100/240 VAC Adapter
Ion	ECION7004S	01X541609	Eutech Ion 700 Meter With Integral Electrode Holder & 100/240 VAC Adapter
CON	ECCON70043S	01X543401	Eutech CON 700 Meter With Conductivity/ATC Probe (CONSEN9501D), Integral Electrode Holder & 100/240 VAC Adapter
DO	ECDO70042S	01X543501	Eutech DO 700 Meter With Dissolved Oxygen/ATC Probe (DO6HANDY), Integral Electrode Holder & 100/240 VAC Adapter
PC	ECPC70043S	01X543601	Eutech PC 700 Meter With pH Electrode (ECFC7252101B), Conductivity/ATC Probe (CONSEN9501D), Integral Electrode Holder & 100/240 VAC Adapter

Electrodes

Model	Order Code	Part No.	Description
pH	ECFC7252101B	01X099412	General Purpose Plastic-Body Single Junction Gel-Filled pH Combination Electrode, 90 x 12 mm, BNC Connector, 1 m Cable
ORP	ECFC79602R01B	01X256621	Platinum Pin Double Junction Ag/AgCl Refillable ORP Electrode, 90 x 12 mm, BNC Connector, 1 m Cable
CON	CONSEN9501D	01X466602	2 Stainless Steel Rings Ultem-Body Conductivity Electrode, ATC, Cell Constant K=1.0, 144 x 16 mm, 8-Pin Connector, 1 m Cable
DO	DO6HANDY	01X233913	Galvanic Dissolved Oxygen Electrode With ATC, 2 Assembled Membrane Cap Housings, 1 Refilling Electrolyte & 1 Scouring Pad, 0.9 m Cable
TEMP	PH5TEMB01P	01X210303	ATC Probe, Stainless Steel, 117 x 3 mm Shaft, 1 m Cable

Solutions (480 ml Per Bottle)

Model	Order Code	Part No.	Description
pH	ECBU1BT	01X211211	pH 1.68 Buffer Solution
pH	ECBU4BT	01X211201	pH 4.01 Buffer Solution
pH	ECBU686BT	01X211242	pH 6.86 Buffer Solution
pH	ECBU7BT	01X211202	pH 7.00 Buffer Solution
pH	ECBU918BT	01X211271	pH 9.18 Buffer Solution
pH	ECBU10BT	01X211203	pH 10.01 Buffer Solution
pH	ECBU12BT	01X211212	pH 12.45 Buffer Solution
pH	ECDPCBT	01X211216	Protein Cleaning Solution For pH Electrode
pH	ECRE005	01X211205	Storage Solution For pH Electrode
ORP	ECORPPRE	01X081500	ORP Pre-Treatment Solution (475 mV)
ORP	ECORPQUIN	01X062700	ORP Quinhydrone 255 (255 mV, ±15 mV @ 25 °C) Solution
ORP	ECORPQUIN086	01X211215	ORP Quinhydrone 86 (86 mV) Solution
CON	ECCON84BT	01X211241	84 µS Conductivity Standard Solution
CON	ECCON1413BT	01X211207	1413 µS Conductivity Standard Solution
CON	ECCON1288BT	01X211210	12.88 mS Conductivity Standard Solution
CON	ECCON1118BT	01X211244	111.8 mS Conductivity Standard Solution
TDS	EC442300BT	01X109102	300 ppm 442 Standard Calibration Solution
TDS	EC4421000BT	01X109104	1000 ppm 442 Standard Calibration Solution
TDS	EC4423000BT	01X109101	3000 ppm 442 Standard Calibration Solution

Accessories

Model	Order Code	Part No.	Description
Others	60X030130	60X030130	SMPS, 100/240 VAC, 9 V, 6 W Power Adapter

Bench 700 Series

Specification Tables

| Warranty | Eutech Instruments provides One year of warranty against manufacturing defects for our meters, and six months for our electrodes.

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

pH/Ion Bench Meters		pH 700	Ion 700
			
pH	Range	-2.00 to 16.00 pH	
	Resolution	0.01 pH	
	Accuracy	±0.01 pH	
	Cal. Points	Up to 5	
	Buffer Sets	USA (1.68, 4.01, 7.00, 10.01, 12.45), NIST (1.68, 4.01, 6.86, 9.18, 12.45)	
ORP	Range	±2000 mV	
	Rel. mV Range	±2000 mV	
	Resolution	0.1 mV (±199.9 mV) / 1 mV (beyond)	
	Accuracy	±0.2 mV (±199.9 mV) / 2 mV (beyond)	
Ion	Concentration	–	0.01 to 2000 ppm (±2000 mV)
	Resolution	–	0.01 / 0.1 / 1 ppm
	Accuracy	–	±0.5 % full scale (monovalent) ±1 % full scale (divalent)
	Cal. Points	–	2 to 5
Temperature	Range	0.0 to 100.0 °C / 32.0 to 212.0 °F	
	Resolution	0.1 °C / 0.1 °F	
	Accuracy	±0.3 °C / ±0.5 °F (0 to 70 °C)	
	Compensation	ATC / MTC (0 to 100 °C) (pH only)	
	Calibration	Offset in 0.1 ° increments; offset range: ±5.0 °C / ±9.0 °F	

Conductivity Bench Meter		CON 700
		
Conductivity	Range	.. µS to 200.0 mS
	Resolution	0.01 / 0.1 / 1 µS ; 0.01 / 0.1 mS
	Accuracy	±1 % full scale
	Cal. Points	Up to 5
	Cell Constant	0.1, 1.0, 10.0 (selectable)
TDS	Range	.. to 100.0 ppt @ 0.5 fact (200.0 @ 1 factor)
	Resolution	0.01 / 0.1 / 1 ppm ; 0.01 / 0.1 ppt
	Accuracy	±1 % full scale
	Cal. Points	Manual (5 points); maximum 1 per range
	TDS Factor	0.40 to 1.00 (adjustable)
Temperature	Range (Meter)	0.0 to 100.0 °C / 32.0 to 212.0 °F
	Resolution	0.1 °C / 0.1 °F
	Accuracy	±0.5 °C / ±0.9 °F
	Coefficient (Per °C)	0.00 to 10.00 %
	Normalization	15.0 to 30.0 °C / 59.0 to 86.0 °F
	Compensation Type & Range	Automatic with supplied cell or manual 0.0 to 100 °C / 32.0 to 212.0 °F, 0 to 80 °C / 32.0 to 176.0 °F with supplied cell
	Calibration	Offset in 0.1 ° increments; offset range: ±5.0 °C / ±9.0 °F



<< Wastewater & Water Treatment

>> Ecological Studies



Dissolved Oxygen Bench Meter		DO 700
		
Dissolved Oxygen	Range	0 to 30 mg/L
	Resolution	0.01 mg/L
	Accuracy	±0.5 % full scale
% Saturation Of Oxygen	Range	0 to 199.9 % ; 300 %
	Resolution	0.1 %
	Accuracy	±0.5 % full scale
Salinity Correction	Range	0 to 50 ppt
	Resolution	0.1 ppt
Barometric Pressure Correction	Range	450 to 825 mmHg (manual)
	Resolution	1 mmHg
	Type	Manual input
	Method	Auto correction with manual input
Temperature	Range	0.0 to 50.0 °C / 32.0 to 122.0 °F
	Resolution	0.1 °C / 0.1 °F
	Accuracy	±0.5 °C / ±0.9 °F

Multi-Parameter Bench Meter		PC 700
		
pH	Range	-2.00 to 16.00 pH
	Resolution	0.01 pH
	Accuracy	±0.01 pH
	Cal. Points	Up to 5
	Buffer Sets	USA (1.68, 4.01, 7.00, 10.01, 12.45), NIST (1.68, 4.01, 6.86, 9.18, 12.45)
ORP	Range	±2000 mV
	Rel. mV Range	±2000 mV
	Resolution	0.1 mV (±199.9 mV) ; 1 mV (beyond)
	Accuracy	±0.2 mV (±199.9 mV) ; ±2 mV (beyond)
Conductivity	Range	0.0 µS to 200.0 mS
	Resolution	0.01 / 0.1 / 1 µS ; 0.01 / 0.1 mS
	Accuracy	±1 % full scale
	Cal. Points	Automatic (84 µS, 1413 µS, 12.88 mS, 111.8 mS); maximum 1 per range; manual (5 points); maximum 1 per range
	Cell Constant	0.1, 1.0, 10.0 (selectable)
TDS	Range	.. to 100.0 ppt @ 0.5 fact (200.0 @ 1 factor)
	Resolution	0.01 / 0.1 / 1 ppm ; 0.01 / 0.1 ppt
	Accuracy	±1 % full scale
	Cal. Points	Manual (5 points); maximum 1 per range
	TDS Factor	0.40 to 1.00 (adjustable)
Temperature	Range (Meter)	0.0 to 100.0 °C / 32.0 to 212.0 °F
	Resolution	0.1 °C / 0.1 °F
	Accuracy	±0.5 °C / ±0.9 °F
	Coefficient (Per °C)	0.00 to 10.00 %
	Normalization	15.0 to 30.0 °C (adjustable)
	Compensation Type & Range	Automatic with supplied cell or manual 0.0 to 100 °C / 32.0 to 212.0 °F, 0 to 80 °C / 32.0 to 176.0 °F with supplied cell
	Calibration	Offset in 0.1 ° increments; offset range: ±5.0 °C / ±9.0 °F



<< Pharmaceutical

>> Cooling Tower



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 include:

| Dual Display Testers | Economy + Series Handhelds | Waterproof Colorimeters and Turbidimeters | CyberScan Handhelds | Bench Meters | CyberScan Touchscreen Meters | Handheld Thermometers

| 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 us at eutech@thermofisher.com for details of your nearest distributor.



Global Offices

Asia Pacific (Head Office) | **Eutech Instruments Pte Ltd**
Blk 55, Ayer Rajah Crescent, #04-16/24, Singapore 139949
Tel: (65) 6778-6876 • Fax: (65) 6773-0836 • www.eutechinst.com

North & South America | **Oakton Instruments**
625 E Bunker Ct, Vernon Hills, IL 60061, USA
Tel: toll free 1-888-4OAKTON (1-888-462-5866)
Fax: (1) 847-247-2984 • www.4oakton.com

Europe | **Eutech Instruments Europe B.V.**
P.O. Box 254, 3860 AG Nijkerk Netherlands Wallerstraat 125K, 3862 CN Nijkerk Netherlands
Tel: (31) 033-2463887 • Fax: (31) 033-2460832 • www.eutech.nl

China | **Thermo Fisher Scientific**
Building 6, No. 27, Xin Jinqiao Road,
Shanghai 201206, China
Tel: (86) 21-6865-4588 • Fax (86) 21-6445-7909 • www.eutech.cn

India | **Thermo Fisher Scientific**
Plot No. C-327, TTC Industrial Area, Pawane,
Navi Mumbai - 400 705, India
Tel: (91) 22-4175-8800 • Fax: (91) 22-4175-8801 • www.eutechinst.com

EUTECH INSTRUMENTS

Part of Thermo Fisher Scientific

ISO 9001 QMI-SAI Global #0042905

SINGAPORE 1000 SINGAPORE SME 500 2006 & 2007

Awarded in 2001 & 2003

Distributed by:

BEN 08X233809 08/10 Rev 1