



# Eutech 2700 Series Bench Meters

- pH • ORP • ION • Conductivity • TDS • Salinity
- Resistivity • Dissolved Oxygen • Temperature

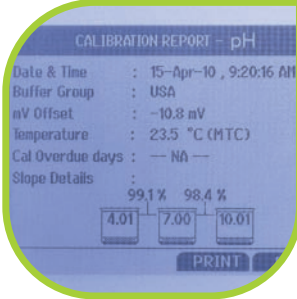
SOLUTIONS FOR WATER ANALYSIS

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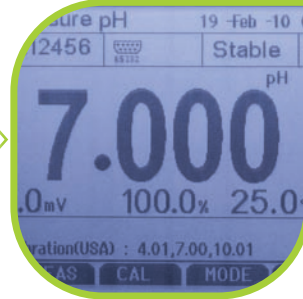
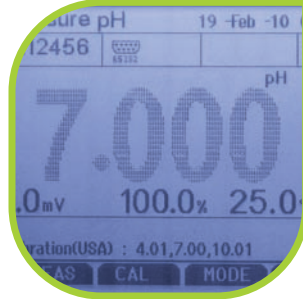


# Features

- Comprehensive Backlit Display
- All Measurements Include Temperature Display
- Up To 500 Point Memory With Date Time Stamp For GLP
- Output Data To Printer Or PC
- Detachable Electrode Holder
- Compact Footprint Saves Valuable Bench Space
- Custom Setup
- 3-Year Warranty
- Password Protection, Audible Alarms, Electrode Data, And Much More!



**Calibration Report** – view or print detailed electrode data



**Stability Display** – faded out and then turns solid when stable



**Large Informative Display** with bright backlight

**Splashproof Housing & Keypad** protects against incidental spills

**Slide-Out Calibration Guide** for quick referencing

**Integrated Electrode Holder** can be used on either side



**Non-Skid Pads** hold meter steady during operation



**CyberComm Software** available



## Comparison Table

Meter Features	pH 2700	ION 2700	CON 2700	DO 2700	PC 2700
pH & mV	✓	✓			✓
ION		✓			✓
Temperature	✓	✓	✓	✓	✓
Conductivity & TDS			✓		✓
Dissolved Oxygen				✓	
BOD				✓	
Salinity			✓		✓
Resistivity			✓		✓
Memory	500 data sets				
Power Requirements	9 V DC adapter, 1.3 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				



## Eutech pH 2700

### pH / mV-Redox-ORP / Temperature

Oversize screen with large fonts yet compact – the new Eutech pH 2700 offers an easy to read screen that says more! View pH or ORP readings, with temperature, electrode status, calibration points, date and time all at once!

- Up to 6-point calibration with auto-buffer recognition
- Quick, easy electrode diagnosis with multiple pH slopes and offset display
- Non-volatile memory holds up to 500 data points – time and date-stamped for GLP compliance
- Calibrate with up to 5 custom pH buffers – use any pH values that are  $\geq 1.0$  pH unit apart
- Cal-due alarm – no more out-dated calibrations!
- Auto-logging function for convenient continuous monitoring
- Password protection for setup and calibration

#### Applications:

• **Educational:** Useful for most laboratory, ecological studies and other applications. • **Laboratory:** Environmental studies, chemical labs, titrations and quality assurance testing, where GLP data-management is required. Use in all types of food processing.



Use with any BNC Ion Selective Electrode (ISE) – sold separately

## Eutech ION 2700

### pH / ION / mV-Redox-ORP / Temperature

Intuitive, self-diagnostic and flexible with advanced set-up options for user-customization, the Eutech ION 2700 series comes with a large, one-glance-sees-all screen. View pH, ION or Redox reading together with temperature, electrode status, calibration points, date and time all at once!

- Up to 6-point push button calibration with auto-buffer recognition
- Quick, easy electrode diagnosis with pH slope and offset display
- Non-volatile memory holds up to 500 data points – time and date-stamped for GLP compliance
- Bi-directional RS232 for easy data transfer to computer
- Cal-due alarm – no more out-dated calibrations!
- Auto-logging function for convenient continuous monitoring
- Limit alarm alerts when reading falls out of range
- Password protection for setup and calibration

#### Applications:

• **Educational:** Useful for most laboratory, ecological studies and other applications. • **Laboratory:** Environmental studies, chemical labs, titrations and quality assurance testing, where GLP data-management is required. Use in all types of food processing.



## Eutech CON 2700

**Conductivity / Total Dissolved Solids / Salinity / Resistivity / Temperature**  
Featuring auto-standardization, auto-calibration and auto-ranging capabilities, the Eutech CON 2700 accepts 2-cell and 4-cell electrodes, allowing a broad range of measurement at up to  $\pm 1\%$  full scale accuracy. Meter comes with a multi data screen that shows Conductivity readings, temperature, electrode status, calibration points, date and time all at once.

- Choose auto-calibration with preset values for quick easy calibration, or manual multi-point calibration for greater accuracy
- Easy standardization with auto-standardization feature – detect the exact cell constant value of your electrodes with the press of a button
- Quick, easy electrode diagnosis with the effective cell constants display
- Replatinization in 5 minutes with the built-in replatinization circuit
- Non-volatile memory holds up to 500 data points – time and date-stamped for GLP compliance
- Bi-directional RS232 for easy data transfer to computer
- Cal-due alarm – no more out-dated calibrations!
- Auto-logging function for convenient continuous monitoring
- Limit alarm alerts when reading falls out of range
- Password protection for setup and calibration

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



## Eutech DO 2700

### Dissolved Oxygen / BOD / Temperature

Designed for optimal performance and versatility, the DO 2700 come with intuitive, advance set-up options for extensive user-customization at an affordable price! Meter comes with self-stirring probe and bi-directional RS232 – ideal for BOD and other Dissolved Oxygen applications in the laboratory.

- Measures Dissolved Oxygen in % saturation, ppm, mg/L at  $\pm 0.5\%$  full scale accuracy
- Automatic calibration at 100 % and independent 0 % – greater measurement sensitivity during low oxygen levels
- Accurate readings in varying conditions with Temperature, Salinity and Barometric Pressure Compensation
- Non-volatile memory holds up to 500 data points – time and date-stamped for GLP compliance
- Bi-directional RS232 for easy data transfer to computer
- Cal-due alarm – no more out-dated calibrations!
- Auto-logging function for convenient continuous monitoring
- Limit alarm alerts when reading falls out of range
- Password protection for setup and calibration

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



## Eutech PC 2700

**pH / mV-Redox-ORP / ION / Conductivity / Total Dissolved Solids / Salinity / Resistivity / Temperature**

Your all-in-one solution for multi-parameter research work in the lab! The new PC 2700 is accurate, reliable and intuitive with user-friendly functions. Meter comes with a multi-data screen that includes Temperature, electrode status, calibration points, date and time along with your desired measurement parameter. PC 2700 measures pH, ORP, ION, Conductivity, TDS, Salinity, or Resistivity!

- Choose auto-calibration with preset values for quick easy calibration, or manual multi-point calibration for greater accuracy
- Easy standardization with auto-standardization feature – detect the exact cell constant value of your electrodes with the press of a button
- Up to 6-point calibration with auto-buffer recognition
- Includes high performance 4-cell Conductivity probe
- Quick, easy electrode diagnosis with the effective cell constants display
- Non-volatile memory holds up to 500 data points – time and date-stamped for GLP compliance
- Bi-directional RS232 for easy data transfer to computer
- Cal-due alarm – no more out-dated calibrations!
- Auto-logging function for convenient continuous monitoring
- Limit alarm alerts when reading falls out of range
- Password protection for setup and calibration

**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



>> Wastewater & Water Treatment



>> Chemical Laboratories



>> Ecological Studies

# Bench 2700 Series Specification Tables


We reserve 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/ION Bench Meters		pH 2700		ION 2700	
					
pH	Range	-2.000 to 20.000 pH			
	Resolution	0.1 / 0.01 / 0.001 pH			
	Accuracy	±0.002 pH + 1 LSD			
	Cal. Points	Up to 6 preset or 5 custom			
	Buffer Sets	USA, NIST, DIN, User 1, User 2, Custom			
ORP	Range	±2000.0 mV			
	Rel. mV Range	±2000.0 mV			
	Resolution	0.1 mV			
	Accuracy	±0.2 mV			
ION	Concentration	-	0.001 to 19999 ppm (±2000 mV)		
	Resolution	-	2 or 3 digits		
	Accuracy	-	0.5 % full scale (monovalent) ; 1 % full scale (divalent)		
	Cal. Points	-	2 to 8		
Temperature	Range (Meter)	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			
	Compensation	ATC / MTC			

Dissolved Oxygen Bench Meter		DO 2700	
			
Dissolved Oxygen	Range	0.00 to 50.00 mg/L	
	Resolution	0.01 mg/L	
	Accuracy	±0.5 % full scale	
% Saturation Of Oxygen	Range	0 to 600.0 %	
	Resolution	0.1 %	
	Accuracy	±0.5 % full scale	
Salinity Correction	Range	0 to 50.0 ppt	
	Resolution	0.1 ppt	
Barometric Pressure Correction	Range	450 to 825 mmHg (automatic)	
	Resolution	1 mmHg	
	Method	Automatic correction with built-in sensor	
Temperature	Range	0.0 to 50.0 °C / 32.0 to 122.0 °F	
	Resolution	0.1 °C / 0.1 °F	
	Accuracy	±0.3 °C / ±0.5 °F	

Conductivity Bench Meter		CON 2700	
			
Conductivity	Range	0.050 µS to 500.0 mS	
	Resolution	0.01 / 0.1 µS; 0.001 / 0.01 / 0.1 mS	
	Accuracy	±1 % full scale	
	Cal. Points	Up to 5	
	Cell Constant	0.010 to 10.000	
TDS	Range (Depending On TDS Factor)	0.050 ppm to 500 ppt (@ TDS factor 1.00)	
	Resolution	0.01 / 0.1 ppm; 0.001 / 0.01 / 0.1 ppt	
	Accuracy	±1 % full scale	
	Cal. Points	Up to 5	
Salinity	Range	0.0 to 80.0 ppt	
	Resolution	0.01 / 0.1 ppm; 0.001 / 0.01 / 0.1 ppt	
	Accuracy	±1 % full scale	
Resistivity	Range	2.000 Ω to 20.0 MΩ	
	Resolution	0.01 / 0.1 Ω; 0.001 / 0.1 kΩ; 0.01 MΩ	
	Accuracy	±1 % full scale	
Temperature	Range (Meter)	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	
	Coefficient (Per °C)	Linear & pure; 0.000 to 10.000 %	
	Normalization	15.0 to 30.0 °C / 59.0 to 86.0 °F	
	Compensation	ATC / MTC	

Multi-Parameter Bench Meter		PC 2700	
			
pH	Range	-2.000 to 20.000 pH	
	Resolution	0.1 / 0.01 / 0.001 pH	
	Accuracy	±0.002 pH + 1 LSD	
	Cal. Points	Up to 6 preset or 5 custom	
	Buffer Sets	USA, NIST, DIN, User 1, User 2, Custom	
ORP	Range	±2000.0 mV	
	Rel. mV Range	±2000.0 mV	
	Resolution	0.1 mV	
	Accuracy	±0.2 mV	
ION	Concentration	0.001 to 19999 ppm (±2000 mV)	
	Resolution	2 or 3 digits	
	Accuracy	0.5 % full scale (monovalent) ; 1 % full scale (divalent)	
	Cal. Points	2 to 8	
Conductivity	Range	0.050 µS to 500.0 mS	
	Resolution	0.01 / 0.1 µS; 0.001 / 0.01 / 0.1 mS	
	Accuracy	±1 % full scale	
	Cal. Points	Up to 5	
	Cell Constant	0.010 to 10.000	
TDS	Range (Depending On TDS Factor)	0.050 ppm to 500 ppt (@ TDS factor 1.00)	
	Resolution	0.01 / 0.1 ppm; 0.001 / 0.01 / 0.1 ppt	
	Accuracy	±1 % full scale	
	Cal. Points	Up to 5	
Salinity	Range	0.0 to 80.0 ppt	
	Resolution	0.01 / 0.1 ppm; 0.001 / 0.01 / 0.1 ppt	
	Accuracy	±1 % full scale	
Resistivity	Range	2.000 Ω to 20.0 MΩ	
	Resolution	0.01 / 0.1 Ω; 0.001 / 0.1 kΩ; 0.01 MΩ	
	Accuracy	±1 % full scale	
Temperature	Range (Meter)	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	
	Coefficient (Per °C)	Linear & pure; 0.000 to 10.000 %	
	Normalization	15.0 to 30.0 °C / 59.0 to 86.0 °F	
	Compensation	ATC / MTC	

# Bench 2700 Series

## Ordering Information

### Meters

Model	Order Code	Part No.	Description
pH	ECPH270042GS	01X543902	Eutech pH 2700 Meter With pH Electrode (ECFG7370101B), ATC Probe (PH5TEMB01P) & pH Electrode Refill Solution, 60 mL
pH	ECPH270040S	01X543901	Eutech pH 2700 Meter
ION	ECION270042GS	01X543904	Eutech ION 2700 Meter With pH Electrode (ECFG7370101B), ATC Probe (PH5TEMB01P) & pH Electrode Refill Solution, 60 mL
ION	ECION270040S	01X543903	Eutech ION 2700 Meter
CON	ECCON270043S	01X543905	Eutech CON 2700 Meter With 4-Cell Conductivity/ATC Probe (CONSEN9201D)
DO	ECDO270042	01X543907	Eutech DO 2700 Meter With Self-Stirring Dissolved Oxygen/BOD/ATC Electrode (EC620SSP)
PC	ECPC270043S	01X543906	Eutech PC 2700 Meter With pH Electrode (ECFG7370101B), Conductivity/ATC Probe (CONSEN9201D) & pH Electrode Refill Solution, 60 mL

All configurations include 30X427301 RS232 cable and 100/240 VAC power adapter. All configurations except for DO also include an integral electrode holder.

### Electrodes

Model	Order Code	Part No.	Description
pH	ECFG7370101B	93X218819	Glass-Body Double Junction Ag/AgCl Refillable pH Electrode, 110 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-Cell Stainless Steel Rings, PBT And Ultem-Body, Conductivity/ATC Electrode, Cell Constant K=1.0, 144 x 16 mm, 8-Pin DIN Connector, 1 m Cable
CON	CONSEN9201D	01X244730	4-Cell Graphite With Epoxy-Body Conductivity/ATC Electrode, Cell Constant K=0.530, 120 x 12 mm, 8-Pin DIN Connector, 1 m Cable
DO	EC620SSP	01X295704	Polarographic Dissolved Oxygen/BOD/ATC Electrode With Self-Stirring Mechanism, 62 x 12 mm, 8-Pin DIN Connector, 1 m Cable
TEMP	PH5TEMB01P	01X210303	ATC Probe, Stainless Steel, 117 x 3 mm Shaft, 1 m Cable

### Accessories

Order Code	Part No.	Description
60X426401	60X426401	SMPS, 100/240 VAC, 9 V, 6 W Power Adapter
01X321801	01X321801	Electrode Arm And Bracket
EC637DOM	EC637DOM	DO Maintenance Kit; Includes 6 Membrane Caps, Polishing Disk And Electrolyte
30X427301	30X427301	RS232 Cable For Connecting 2700 Series To PC, 1.5 m Cable
30X544601	30X544601	RS232 To USB Cable; Use With 30X427301 Cable To Connect 2700 To USB Port Of PC
ECMICROPNTR01	01X230001	Serial Impact Microprinter: Dot-Matrix, Paper-Roll Portable Printer With 25-Pin Female Connector. Includes One Roll Of Paper And A 110/120 VAC Power Adapter
ECMICROPNTR02	01X230002	Serial Impact Microprinter: Dot-Matrix, Paper-Roll Portable Printer With 25-Pin Female Connector. Includes One Roll Of Paper And A 220/230 VAC Power Adapter
ECADPTRM9M25	09X305002	RS232C Cable For Microprinter; 9-Pin Male To 25-Pin Male

### 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
pH	01X211297	01X211297	pH Electrode Refill Solution, Reference, Saturated Potassium Chloride, 60 mL
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
Salinity	ECNACL5PPT	01X211230	5 ppt NaCl Calibration Solution
Salinity	ECNACL25PPT	01X211231	25 ppt NaCl Calibration Solution
Salinity	ECNACL45PPT	01X211232	45 ppt NaCl Calibration Solution
Storage	ECRE005	01X211206	Storage Solution For pH Electrode

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

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