

Rapid and consistent laboratory results

Eutech 1700 Series Bench Meters

thermo scientific

Durable and reliable instruments for consistent testing and measurement

Eutech 1700 Series Bench Meters 📕 thermofisher.com/eutech



For more than 30 years,

Thermo Scientific[™] Eutech[™] instruments have helped scientists and technicians with water quality analysis. Eutech instruments pioneered the inclusion of application-specific integrated circuits (ASIC) and are internationally recognised for their achievements in sensor technology, software programming and product design. The result is a unique line of products that are accurate, consistent, reliable and easy to use.

Driven by a successful total customer satisfaction program in the ISO9001:2000 Quality System, all products undergo extensive testing and calibration by a qualified team of technical experts. Stringent quality control measures help ensure consistency, durability and performance. Additionally, Eutech water analysis instruments, electrodes and solutions are certified to comply with various global testing standards.

Every Eutech innovation is conceptualised with the user in mind. This, coupled with our strategic location in the design and technology hub of Asia, has enabled the production of cutting-edge instruments at competitive prices.

Learn more about Eutech instruments at **thermofisher.com/eutech**.

Eutech 1710 pH/mV Bench Meter

Simplify your pH and redox sample measurements

- The large, bright backlit display makes it easy to read and record sample measurements
- The meter's small footprint helps reduce the amount of required bench space
- Critical data is automatically saved to the 500-point meter data log and can be exported via the meter's communication port to a computer or printer
- The meter's non-volatile meter memory preserves settings and data in the event of power loss
- On-screen icons indicate measurement stability status to support confidence in your readings
- All meters allow for automatic or manual temperature compensation and a one-point offset ATC temperature probe calibration





Features and benefits

- Simultaneously read pH, mV and temperature
- Measure -2.00 to 18.00 pH, ±2000.0 mV, -5.0 to 105.0°C
- Perform one- to five-point pH calibrations
- Calibrate using automatic buffer recognition or manual entry
- Perform one-point relative mV calibration (RmV)
- Monitor pH electrode status with the electrode condition icon
- View pH, RmV and temperature calibration logs with date and time stamps
- All data and calibration logs are date and time stamped for GLP/GMP reporting
- Help facilitate electrode movement into and out of samples with the meter-attached stand

Meter is guaranteed against manufacturing defects for three years from the purchase date.



Eutech 1710 pH/mV Bench Meter Models

Description	Cat. No.
Eutech 1710 pH/mV bench meter with stand, PC cable and 100 to 240 V universal power adapter	EBPH171000
Eutech 1710 pH/mV bench meter kit with gel-filled plastic-body pH/ATC electrode, solutions, stand, PC cable and power adapter	EBPH171001
Eutech 1710 pH/mV bench meter kit with refillable plastic-body double junction pH electrode, ATC probe, solutions, stand, PC cable and power adapter	EBPH171002
Eutech 1710 pH/mV bench meter kit with gel-filled plastic-body double junction pH electrode, ATC probe, solutions, stand, PC cable and power adapter	EBPH171003
Eutech 1710 pH/mV bench meter kit with refillable glass-body double junction pH electrode, ATC probe, solutions, stand, PC cable and power adapter	EBPH171004

Electrode and accessory information can be found on pages 11–15 of this brochure and at **thermofisher.com/eutech**.

Eutech

1720 Conductivity Bench Meter

Streamline your conductivity, salinity and total dissolved solids (TDS) sample measurements

- The large, bright backlit display makes it easy to read and record sample measurements
- The meter's small footprint helps reduce the amount of required bench space
- Critical data is automatically saved to the 500-point meter data log and can be exported via the meter's communication port to a computer or printer
- The meter's non-volatile meter memory preserves settings and data in the event of power loss
- On-screen icons indicate measurement stability status to support confidence in your readings
- All meters allow for automatic or manual temperature compensation and a one-point offset ATC temperature probe calibration





Features and benefits

- Simultaneously read conductivity, salinity or TDS with temperature measurements
- Measure 0.00 µS to 500.0 mS conductivity, 0.00 to 80.0 ppt salinity, 0.00 ppm to 500.0 ppt TDS, and -5.0 to 105.0°C
- Perform one- to five-point conductivity calibrations
- Calibrate using automatic standard recognition or manual entry
- Perform one-point salinity and one- to five-point TDS calibrations
- View conductivity, salinity, TDS and temperature calibration logs with date and time stamps
- All data logs and calibration logs are date and time stamped for GLP/GMP reporting
- Help facilitate electrode movement into and out of samples with the meter-attached stand

Meter is guaranteed against manufacturing defects for three years from the purchase date.

Eutech 1720 Conductivity Bench Meter Models



Electrode and accessory information can be found on pages 11–15 of this brochure and at **thermofisher.com/eutech**.



Eutech

1730 Dissolved Oxygen Meter

Take your dissolved oxygen sample measurements with ease

- The large, bright backlit display makes it easy to read and record sample measurements
- The meter's small footprint helps reduce the amount of required bench space
- Critical data is automatically saved to the 500-point meter data log and can be exported via the meter's communication port to a computer or printer
- The meter's non-volatile meter memory preserves settings and data in the event of power loss
- On-screen icons indicate measurement stability status to support confidence in your readings
- All meters allow for automatic or manual temperature compensation and a one-point offset ATC temperature probe calibration





Features and benefits

- Simultaneously read dissolved oxygen and temperature measurements
- Measure 0.0 to 300.0% saturation, 0.00 to 30.0 mg/L or ppm concentrations, and –5.0 to 105.0°C
- Perform 100% and 0% saturation calibrations or a one-point concentration calibration using a custom value (Winkler)
- Use automatic barometric pressure compensation for dissolved oxygen measurements with value entry in mmHg or bar
- Use automatic salinity compensation for dissolved oxygen measurements with a value entry of 0.0 to 50.0 ppt
- View dissolved oxygen and temperature calibration logs with date and time stamps
- All data logs and calibration logs are date and time stamped for GLP/GMP reporting
- Help facilitate electrode movement into and out of samples with the meter-attached stand

Meter is guaranteed against manufacturing defects for three years from the purchase date.

Eutech 1730 Dissolved Oxygen Meter Models



Electrode and accessory information can be found on pages 11–15 of this brochure and at **thermofisher.com/eutech**.



Thermo Scientific Eutech 1700 Series Laboratory Meter Specification Table

PAP Name -2:00:18/3.0PT Peakloan 0.1.00.19 H 0.1.00.19 H Collocation polis 1:0.5;00:14 0.00.100.19 H Collocation polis 1:0.5;00:14 0.00.19 H Mixed Lafer and USA pPL 109, 40, 100, 100, 100, 100, 100, 100, 100,		Specification	Eutech 1710 pH/mV Meter	Eutech 1720 Conductivity Meter	Eutech 1730 Dissolved Oxygen Meter		
pH Bilder induction 0.000 (000 (000 (000 (000 (000 (000 (00		Range	–2.00 to 18.00 pH				
ph Calculation points 11:b is points 11:c is points Rege UBS(PI18, 40, 70, 00, 10, 12, 43, 50, 100, 12, 43, 50, 100, 12, 43, 50, 100, 12, 43, 50, 100, 12, 43, 50, 100, 100, 100, 100, 100, 100, 100,		Resolution	0.1, 0.01 pH				
Control Control Control Control Automic ports USX 011 HEL 01, 72.03, 10.01, 92.43, NOT 92.40, NOT 92.40	n U	Relative accuracy	±0.01 pH ±1 LSD				
Notification Notification Notification Notification Notification Barge 22000 mW 0.0 mW 0.0 mW 0.0 mW Reduition 0.0 mW 0.0 mW 0.0 mW 0.0 mW Reduition 0.0 mW 0.0 mW 0.0 mW 0.0 mW Reduition 0.0 mW 0.0 mW 0.0 mW 0.0 mW Reduition 0.0 mW 0.0 mW 0.0 mW 0.0 mW Reduition 0.0 mW 0.0 mW 0.0 mW 0.0 mW Reduition 0.0 mW 0.0 mW 0.0 mW 0.0 mW Reduition 0.0 mW	рп	Calibration points	1 to 5 points				
mVRmV Resolution 0.1 mV Interface Resolution point 10 00 00000000000000000000000000000000		Automatic buffer sets					
InVRniv Peterba securacy +0.2 m/ or +0.05% of reasing, whocheve is greater Investigation Interface Galarian point 1 paint 0.00 p.1s to 50.0 mS Interface Rescular 0.00 p.1 securacy 0.00 p.1 securacy Interface Rescular 0.00 p.1 securacy 0.00 p.1 securacy Interface Rescular 0.00 p.1 securacy Interface Interface Temperature compensation 1.1 law 0.00 p.0 securacy Interface Interface Rescular 0.00 p.0 to 50.0 p.0		Range	±2000.0 mV				
$\begin{tabular}{ c c c } \hline c c c c c c c c c c c c c c c c c c $			0.1 mV				
Barge 0.00,0 to 500.0 mS Conductivity Barge 0.00,0 to 30 Feature accuracy 4.0.5% reading -1 LSD Conductivity Temperature componation 10.6 p.016 Temperature componation 0.00,0 to 10, %.00,0 to 10 Normalization temperature 10.6 p.016 Resp 0.00 per 6500.0 ppt (75 stature of 1.0) Fastles accuracy -0.00,0 to 10, mS Galiabation temperature -0.00 ppt 5500.0 ppt (75 stature of 1.0) Fastles accuracy -0.00 ppt 5500.0 ppt (75 stature of 1.0) Galiabation points -0.00 ppt 5500.0 ppt 10 Galiabation points -0.00 ppt 5500.0 ppt 10 Fastles accuracy -0.00 ppt 10 Fastles accuracy -0.00 ppt 10 Galiabation points -0.00 ppt 10 Fastles accuracy -0.00 ppt 10 Fastles accuracy -0.01 ppt 10	mv/Rmv	Relative accuracy	±0.2 mV or ±0.05% of reading, whichever is greater				
Bealution 0.01,0.1,1u8; 001,0.1 m.6 Pealure acurancy 0.03,5% reading 14.ED Conductivity 1.6.9 points Targentuc compensation 0.00 ppm ts 500, 550 or 50, 000 Nemalization temperature 0.00 ppm ts 500, pp ts 500, p		Calibration point	1 point				
Conductivity Pelotive accuracy (alionation points) 10.6 Sparts Temperature comparisation 10.0 Sparts 10.0 Sparts Resolution 10.0 Sparts 10.0 Sparts TDS Resolution 0.00 pmt 16.50.0 pft (TDS factor of 1.00) Resolution 0.01,1 pptt 0.01,01 ppt 0.00 pmt 16.50.0 pft (TDS factor of 1.00) Resolution 0.01,01 pptt 0.01,01 ppt 0.00 pmt 16.50.0 pft (TDS factor of 1.00) Calibration points 0.00 pmt 16.50.0 pft 0.00 pmt 16.50.0 pft TDS Resolution 0.01,01 ppt 0.00 pmt 16.50.0 pft Resolution 0.01 pptt 100 0.00 ppt 0.00 ppt Salinity Resolution 0.01 ppt 0.00 ppt Resolution Resolution 0.01 ppt 0.00 ppt Resolution points 0.00 pft pft 0.00 pft pft Calibration points 1 point 0.00 pft pft pft Calibration points 1 point 0.00 pft pft pft Dissolved Calibration points 0.00 pft pft pft Dissolved Calibration points 0.00 pft Resolution 0		Range		0.00 µS to 500.0 mS			
Conductivity Calibration points 1 to 5 points Temperature compensation 1 to 5 points 1 temperature Narmalization temperature 0.00 prem to 500.00 prematore Dissolved Partition premator Partition premator Partition premator Partition premator Partition prematore		Resolution		0.01, 0.1, 1 µS; 0.01, 0.1 mS			
Calabration points This paints Temperature compensation Line (in to 18% C) or off Normalization temperature 0.00, 200, 25, 0 er 300 °C Resolution 0.00, 00 ppm 10 550, 00 °C TOS Resolution Resolution 0.00, 00 ppm 10 550, 00 °C Calibration points 0.00, 01, 1 ppm, 00, 10, 0 ppt TOS solution 0.00 re 80, 0 ppt Resolution points 0.00, 10 ppt To Storber 0.00, 10 ppt Resolution points 0.00, 10 ppt Resolution points 0.00, 10 ppt Resolution points 0.00, 10 ppt Resolution 0.00, 10 ppt Resolution 0.00, 10 ppt Resolution 0.00, 10 ppt Resolution 0.00, 10 ppt Calibration points 0.00 to 800, 0pt Resolution 0.00, 10 ppt Resolution 0.00, 10 ppt Resolution 0.00, 10 spt Resolution 0.00, 10 spt Resolution 0.00, 10 spt Resolution 0.00, 10 spt Resolution	Conductivity	Relative accuracy		±0.5% reading ±1 LSD			
Normalization temperature Instant energy and the second seco	Conductivity	Calibration points		1 to 5 points			
Harge 0.00 ppm to 500.0 ppt (TDS factor of 1.00) TDS Relative accuracy Calibration points 10.0 sponts TDS factor 0.00 ppm to 500.0 ppt (TDS factor of 1.00) Galibration points 10.0 sponts Calibration points 0.00.0 ppt Resolution 0.00.0 ppt Galibration points 1 point Barge 0.00 to 300.0% saturation; 0.00 to 30.0 mpL or ppm Resolution 0.01 to 300.0% saturation; 0.00 to 30.0 mpL or ppm Dissolved Resolution 0.1, 1 typ excuration; 0.00 to 30.0 mpL or ppm Calibration points 0.01 to 300.0% saturation; 0.00 to 30.0 mpL or ppm 0.01 to 300.0% saturation; 0.00 to 30.0 mpL or ppm Dissolved Resolution 0.01 to 50.0 ppt 0.01 to 50.0 ppt Galibration points -5.0 to 105.0°C 0.01 to 50.0 ppt 0.01 to 50.0 ppt Rarge -5.0 to 105.0°C 0.01 to 50.0 ppt 0.01 to 50.0 ppt		Temperature compensation		Linear (0 to 10 %/°C) or off			
Resolution Out, 0.1, ppm, 0.01, 0.0, ppt TDS Relative accuracy ±0.5% reading al LSD Calibration points 1 to 5 points TDS factor 0.40 to 1.00 Barge 0.00 to 80.0 ppt Resolution 0.01 to 80.0 ppt Resolution 0.01 to 80.0 ppt Resolution 0.01 to 80.0 ppt Resolution 0.00 to 80.0 ppt Resolution 1 point Obsolved 0.00 to 80.0 mpt or ppm Resolution 1 point Oxygen 0.00 to 80.0 mpt or ppm Calibration types 0.00 to 80.0 mpt or ppm Sainty compensation 0.00 to 80.0 mpt or ppm Sainty compensation		Normalization temperature		15.0, 20.0, 25.0 or 30.0°C			
TDS Relative accuracy #0.5% reading at LSD Calibration points 1 to 5 points TDS factor 0.04 to 1.00 Range 0.00 to 80.0 ppt Resolution 0.01 (0.1 ppt Resolution 2.27 (0.1 ppt Resolution 2.27 (0.1 ppt Baronetic pressure compensation 40.0 to 80.0 ppt Salinity compensation 0.0 to 50.0 ppt Resolution 0.2 (0.1 ppt) Resolution 0.2 (0.1 ppt) Resolution 0.2 (0.1 ppt) Resolution 0.0 to 50.0 ppt		Range		0.00 ppm to 500.0 ppt (TDS factor of 1.00)			
Calibration points 11 to 5 points TDS factor 0.40 to 1.00 Range 0.00 to 80.0 ppt Salinity Resolution Resolution 0.01 to 80.0 ppt Resolution 0.01 to 80.0 ppt Calibration points 9.05 seturation points Calibration points 1 point Resolution 0.0 to 300.0% saturation; 0.00 to 30.0 mg/L or ppm Resolution 0.0 to 300.0% saturation; 0.00 to 30.0 mg/L or ppm Dissolved 0.0 to 300.0% saturation; 0.00 to 30.0 mg/L or ppm Oxygein Calibration types Resolution 0.0 to 300.0% saturation; 0.00 to 30.0 mg/L or ppm Dissolved 0.0 to 300.0% saturation; 0.00 to 30.0 mg/L or ppm Oxygein Calibration types Barometric pressure compensation 0.0 to 50.0 ppt Barometric pressure compensation 0.0 to 50.0 ppt Salinity compensation 0.0 to 50.0 ppt Range -5.0 to 105.0°C Range 0.0 to 50.0 ppt Range -5.0 to 105.0°C Range -0.1°C Range -0.1°C		Resolution		0.01, 0.1, 1 ppm; 0.01, 0.1 ppt			
TOS factor 0.40 to 1.00 Range 0.00 to 80.0 ppt Resolution 0.00 to 80.0 ppt Resolution 0.01, 1 ppt Resolution 4.0.5% reading =1 LSD Calibration points 1 point Barge 0.01 to 300.0% saturation; 0.00 to 30.0 mgL or ppm Resolution 0.11 (% saturation; 0.00 to 30.0 mgL or ppm Calibration points 0.01 to 300.0% saturation; 0.00 to 30.0 mgL or ppm Dissolved Resolution 0.01 (% saturation; 0.00 to 30.0 mgL or ppm Calibration points 0.01 (% saturation; 0.00 to 30.0 mgL or ppm Calibration points 100% and 0% saturation; 0.00 to 30.0 mgL or ppm Barometric pressure compensation 100% and 0% saturation; 0.00 to 30.0 ppt Barone -5.0 to 105.0°C Resolution 0.0 to 50.0 ppt Resolution 0.0 to 50.0 ppt Input Manual or automation with ATC probe Calibration points 1 point	TDS	Relative accuracy		±0.5% reading ±1 LSD			
Range 0.00 to 80.0 ppt Resolution 0.01 (0.1 ppt Relative accuracy 0.05 reading =1 LSD Calibration points 1 point Calibration points 1 point Bange 0.0 to 800.0% saturation; 0.00 to 80.0 mg/L or ppm Presolution 0.1, 1% saturation; 0.01, 0.1 mg/L or ppm Dissolved 0.1 staturation; 0.00 to 80.0 mg/L or ppm Oxygen Resolution 0.1, 1% saturation; 0.00, 0% saturation; 0.00 to 80.0 mg/L or ppm Dissolved 0.0 to 800.0% saturation; 0.00 to 80.0 mg/L or ppm Satislinity compensation 0.0 to 800.0 mg/L or ppm Satislinity compensation 400.0 to 80.0 mg/L or ppm Satislinity compensation 400.0 to 80.0 mg/L or ppm Satislinity compensation 0.0 to 80.0 mg/L or ppm Satislinity compensation 0.0 to 80.0 ppt Range -5.0 to 105.0°C Resolution 0.0 to 80.0 ppt Input -0.1°C Resolution -5.0 to 105.0°C Resolution -5.0 to 105.0°C Resolution -5.0 to 105.0°C Resolution -5.0 to 105.0°C		Calibration points		1 to 5 points			
Salinity Resolution Relative accuracy 0.01, 0.1 ppt ±0.5% reading ±1 LSD Calibration points 1 point 0.0 to 300.0% saturation; 0.00 to 300 mgL or ppm Bange 0.0 to 300.0% saturation; 0.00 to 300 mgL or ppm 0.0 to 300.0% saturation; 0.00 to 300 mgL or ppm Dissolved oxygen Calibration points 0.0 to 300.0% saturation; 0.00 to 300 mgL or ppm Barometric pressure compensation Satinity compensation 100% and 0% saturation; 0.00 to 50.0 mgL or ppm Resolution 3 alinity compensation 0.0 to 50.0 mgL or ppm Resolution 3 alinity compensation 0.0 to 50.0 mgL or ppm Resolution Saturation; 0.00 to 50.0 mgL or ppm 0.0 to 50.0 ppt Renge -5.0 to 105.0°C 0.0 to 50.0 ppt Resolution -5.0 to 105.0°C 0.0 to 50.0 ppt Readure accuracy ±0.3°C 1 ppint, ±0.7°C Input Marual or automatic with ATC probe 0 alg alg ppints Display 5 in. segmented LCD with backlight Di		TDS factor		0.40 to 1.00			
Salinity Relative accuracy ±0.5% reading ±1 LSD Calibration points 1 point 0.0 to 300.0% saturation; 0.00 to 30.0 mg/L or ppm Dissolved Resolution 0.1 ty 6s saturation; 0.01 to 300.0mg/L or ppm Dissolved Resolution 0.1 ty 6s saturation; 0.01 to 300.0mg/L or ppm Oxygen Relative accuracy ±2% saturation; 0.01, 0.1 mg/L or ppm Calibration types 100% and 0% saturation; 0.02 to 30.0 mg/L or ppm Salinity compensation 400.0 to 850.0 mmHg; 0.53 to 1.13 bar Salinity compensation 0.0 to 50.0 pt Barometric pressure compensation 0.0 to 50.0 ppt Readive accuracy ±0.3°C Readive accuracy 0.1°C Readive accuracy ±0.3°C Input Manual or automatio with ATC probe Input 1 point, ±0.0°C Calibration points 1 point, ±0.0°C Display 5 in segmented LCD with backlight Date and time Visual and cautomatic with ATC probe Read types Continuous, auto-read, timed Data log points Up to 500 Calibration log pH, RmV and temperature		Range		0.00 to 80.0 ppt			
Heading accuracy metadol accuracy Range 1 point 0.0 to 300.0% saturation; 0.00 to 30.0 mg/L or ppm Pesolution 0.1 i point 0.0 to 300.0% saturation; 0.00 to 30.0 mg/L or ppm Dissolved Relative accuracy 0.1 i % saturation; 0.00 to 30.0 mg/L or ppm Calibration types 0.1 i % saturation; 0.00 to 30.0 mg/L or ppm 2% saturation; 2.02 mg/L or ppm Barometric pressure compensation 100% and 0% saturation; custom concentration value 400.0 to 850.0 mmHg; 0.53 to 1.13 bar Salinity compensation 0.0 to 50.0 °C 0.0 to 50.0 pt 0.0 to 50.0 pt Resolution 0.1°C 100% and 0% saturation; custom concentration value 0.0 to 50.0 pt Resolution 0.1°C 0.0 to 50.0 pt 0.0 to 50.0 pt 0.0 to 50.0 pt Input 0.0 to 50.0 r05.0°C 0.0 to 50.0 pt 0.0 to 50.0 pt 0.0 to 50.0 pt Calibration points 0.1°C 1 point 0.0 to 50.0 r05.0°C 0.0 to 50.0 r05.0°C Read types Sin segmented LCD with AIC probe 1 point, ±5.0°C 1 point, ±5.0°C 0.0 to 50.0 r05.0°C Data algo points Ves Ves 1 point, ±5.0°C 0.0 to	Calinita	Resolution		0.01, 0.1 ppt			
Bange 0.0 to 300.0% saturation; 0.0.0 to 30.0 mg/L or ppm Dissolved Resolution 0.1, 1% saturation; 0.0.0, 1mg/L or ppm Oxygen Relative accuracy ±278 saturation; 0.0.0, 1mg/L or ppm Calibration types 100% and 0% saturation; 0.0.0 to 30.0 mg/L or ppm Barometric pressure compensation 100% and 0% saturation; 0.0.0 to 30.0 ppt Barometric pressure compensation 400.0 to 850.0 mm/Hg; 0.53 to 1.13 bar Salinity compensation 0.0 to 50.0 ppt Resolution 0.0 to 50.0 ppt Display 0.0 to 30.3°C Input Manual or automatic with ATC probe Display 5 in segmented LCD with backlight Data autip 2 dut me Data autip pht, RmV and temperature Continuous, auto-read, timed	Salinity	Relative accuracy		±0.5% reading ±1 LSD			
Resolution 0.1, 1% saturation; 0.01, 0.1 mg/L or ppm Dissolved oxygen Relative accuracy ±2% saturation; 0.01, 0.1 mg/L or ppm Calibration types 100% and 0% saturation; outsom concentration value Barometric pressure compensation 100% and 0% saturation; outsom concentration value Salinity compensation 0.0 to 850.0 mmHg; 0.53 to 1.13 bar Salinity compensation 0.0 to 50.0 pt Range		Calibration points		1 point			
Dissolved oxygen Relative accuracy ±2% saturation; ±0.2 mg/L or ppm Calibration types 100% and 0% saturation; custom concentration value Barometric pressure compensation 400.0 to 850.0 ml Hg; 0.53 to 1.13 bar Salinity compensation 0 Range -5.0 to 105.0°C Resolution 0.1°C Resolution 0.1°C Relative accuracy 0.1°C Input 0.1°C Calibration points 0.1°C Display 5 in. segmented LCD with backlight Date and time Yes Read types Continuous, auto-read, timed Data log points Up to 500 Calibration log pH, RmV and temperature Conductivity, TDS, salinity and temperature Data output Computer or printer Claibration log Alarms Alarms Visual and on/off audible Memory Non-volatile		Range			0.0 to 300.0% saturation; 0.00 to 30.0 mg/L or ppm		
Oxygen Calibration types 100% and 0% saturation; custom concentration value Barometric pressure compensation 400.0 to 850.0 mmHg; 0.53 to 1.13 bar Salinity compensation 0.0 to 50.0 pt Salinity compensation 0.0 to 50.0 pt Range -5.0 to 105.0°C Resolution 0.0 to 50.0 pt Input 0.1°C Relative accuracy ±0.3°C Input Manual or automatic with ATC probe Calibration points 1 point, ±5.0°C Display 5 in. segmented LCD with backlight Date and time Ves Read types Continuous, auto-read, timed Data log points Up to 500 Calibration log pH, RmV and temperature Conductivity, TDS, salinity and temperature Data output Conductivity, TDS, salinity and temperature Disolved oxygen and temperature Data output Computer or printer Computer or printer Alarms Visual and on/off autible Alarmise		Resolution			0.1, 1% saturation; 0.01, 0.1 mg/L or ppm		
Barometric pressure compensation 400.0 to 850.0 mmHg; 0.53 to 1.13 bar Salinity compensation 0.0 to 50.0 ppt Range -5.0 to 105.0°C Resolution 0.1°C Resolution 0.1°C Input Manual or automatic with ATC probe Calibration points 1 point, ±5.0°C Display Sin segmented LCD with backlight Date and time Yes Read types Continuous, auto-read, timed Data log points Up to 500 Calibration log pH, RmV and temperature Conductivity, TDS, salinity and temperature Data output Computer or printer Calibration due alarm Alarms Visual and on/off audible Memory	Dissolved	Relative accuracy			±2% saturation; ±0.2 mg/L or ppm		
Salinity compensation 0.0 to 50.0 ppt Range 0.0 to 50.0 ppt Range -5.0 to 105.0°C Resolution 0.1°C Relative accuracy 0.1°C Input -0.1°C Calibration points -0.1°C Display Manual or automatic with ATC probe Date and time -5.0 to 105.0°C Read types -5.0 to 20.0°C Data tog points -5.0 to 20.0°C Data output -0.1°C Calibration log pH, RmV and temperature Data output	oxygen	Calibration types			100% and 0% saturation; custom concentration value		
Range -5.0 to 105.0°C Resolution 0.1°C Relative accuracy 0.1°C Input ±0.3°C Input Manual or automatic with ATC probe Calibration points 1 point, ±5.0°C Display 5 in. segmented LCD with backlight Date and time Yes Read types Continuous, auto-read, timed Data log points Up to 500 Data output Conductivity, TDS, salinity and temperature Dissolved oxygen and temperature Data output Colibration due alarm 1 to 188 hours or off Calibration due alarm 1 to 188 hours or off I to 188 hours or off Aarms Visual and on/off audible Non-volatile		Barometric pressure compensation			400.0 to 850.0 mmHg; 0.53 to 1.13 bar		
Resolution 0.1°C Relative accuracy ±0.3°C Input Manual or automatic with ATC probe Calibration points 1 point, ±5.0°C Display 5 in. segmented LCD with backlight Date and time Yes Read types Continuous, auto-read, timed Data log points Up to 500 Calibration log pH, RmV and temperature Conductivity, TDS, salinity and temperature Data output Computer or printer Dissolved oxygen and temperature Calibration log pH, RmV and temperature Conductivity, TDS, salinity and temperature Dissolved oxygen and temperature Data output Computer or printer Calibration due alarm 1 to 168 hours or off Alarms Wenory Non-volatile Non-volatile		Salinity compensation			0.0 to 50.0 ppt		
Temperature Relative accuracy ±0.3°C Input Manual or automatic with ATC probe Calibration points 1 point, ±5.0°C Display 5 in. segmented LCD with backlight Date and time Yes Read types Conductivity, TDS, salinity and temperature Data log points Up to 500 Calibration log pH, RmV and temperature Calibration log pH, RmV and temperature Conductivity, TDS, salinity and temperature Dissolved oxygen and temperature Data output Computer or printer Calibration due alarm 1 to 168 hours or off Alarms Wenory Non-volatile		Range		−5.0 to 105.0°C			
Input Manual or automatic with ATC probe Calibration points 1 point, ±5.0°C Display 5 in. segmented LCD with backlight Date and time Yes Read types Continuous, auto-read, timed Data log points Up to 500 Calibration log pH, RmV and temperature Conductivity, TDS, salinity and temperature Dissolved oxygen and temperature Calibration log pH, RmV and temperature Conductivity, TDS, salinity and temperature Dissolved oxygen and temperature Calibration log pH, RmV and temperature Conductivity, TDS, salinity and temperature Dissolved oxygen and temperature Calibration log pH, RmV and temperature To 168 hours or off Memory Memory Memory Non-volatile Source		Resolution		0.1°C			
Calibration points 1 point, ±5.0°C Display 5 in. segmented LCD with backlight Date and time Yes Read types Continuous, auto-read, timed Data log points Up to 500 Calibration log pH, RmV and temperature Calibration due alarm Conductivity, TDS, salinity and temperature Calibration due alarm 1 to 168 hours or off Alarms Visual and on/off audible Memory Non-volatile	Temperature	Relative accuracy		±0.3°C			
Display 5 in. segmented LCD with backlight Date and time Yes Read types Continuous, auto-read, timed Data log points Up to 500 Calibration log pH, RmV and temperature Dissolved oxygen and temperature Data output Computer or printer Dissolved oxygen and temperature Calibration due alarm 1 to 168 hours or off Alarms Memory Non-volatile Non-volatile		Input		Manual or automatic with ATC probe			
Date and time Yes Read types Continuous, auto-read, timed Data log points Up to 500 Calibration log pH, RmV and temperature Conductivity, TDS, salinity and temperature Dissolved oxygen and temperature Data output Computer or printer Calibration due alarm 1 to 168 hours or off Alarms Visual and on/off audible Memory Non-volatile		Calibration points		1 point, ±5.0°C			
Read types Continuous, auto-read, timed Data log points Up to 500 Calibration log PH, RmV and temperature Conductivity, TDS, salinity and temperature Dissolved oxygen and temperature Data output Computer or printer Computer or printer Calibration due alarm Composer or finder Visual and on/off audible Alarms Memory Non-volatile Visual and on/off audible		Display		5 in. segmented LCD with backlight			
Data oppoints Up to 500 Calibration log pH, RmV and temperature Conductivity, TDS, salinity and temperature Dissolved oxygen and temperature Data output Computer or printer Computer or printer Calibration due alarm Computer or printer Computer or printer Alarms Visual and on/off audible Visual and on/off audible Memory Onto the second computer or printer Computer or printer		Date and time		Yes			
Meter features Calibration log pH, RmV and temperature Conductivity, TDS, salinity and temperature Dissolved oxygen and temperature Data output Computer or printer Computer or printer Calibration due alarm I to 168 hours or off Alarms Visual and on/off audible Visual and on/off audible Memory		Read types		Continuous, auto-read, timed			
Data output Computer or printer Calibration due alarm 1 to 168 hours or off Alarms Visual and on/off audible Memory Non-volatile		Data log points		Up to 500			
Data outputComputer or printerCalibration due alarm1 to 168 hours or offAlarmsVisual and on/off audibleMemoryNon-volatile	Motor footuroo	Calibration log	pH, RmV and temperature	Conductivity, TDS, salinity and temperature	Dissolved oxygen and temperature		
Alarms Visual and on/off audible Memory Non-volatile	weter reatures	Data output		Computer or printer			
Memory Non-volatile		Calibration due alarm		1 to 168 hours or off			
		Alarms		Visual and on/off audible			
Warranty 3 years		Memory	Non-volatile				
		Warranty		3 years			

Eutech accessories, electrodes and solutions

Customise your meter with electrodes and solutions that meet your exact testing needs



Thermo Scientific Eutech 1700 Series Laboratory Meter Accessories

Find the right accessories for your workflow.

Description	Uses	Cat. No.
Meter-attached electrode stand	Replace your electrode stand as needed	EB1700ARM
Universal power supply, 100 to 240V	Replace your power adapter as needed	EB1700PWR
USB computer cable	Replace your computer cable as needed	EB1700USB
Meter dust cover	Protect your meter from dust and debris while in storage	EB1700CVR
Compact thermal printer with RS232 cable and paper, 100 to 240V	Print data from your meter to document and retain records	01X594301
RS232 cable for thermal printer	Replace your printer cable as needed	30X427301
Paper for thermal printer, 2 pack	Replace your printer paper as needed	01X594401
Precision pH/mV simulator with BNC-to-BNC cable	Check pH/mV meter function independent of an electrode – compatible with Eutech 1710 pH/mV Bench Meter only	PHSIMULATOR

Eutech pH and ORP Electrodes For use with Eutech 1710 pH/mV Bench Meters.

Description	Range	Material	Junction	Fill Type	Temperature Range	Dimensions	Cable, Connector	Cat. No.
General Purpose Refillable Combination pH Electrode	0 to 13 pH	Glass	Single junction, ceramic	Refillable, ECRE001	0 to 100°C	130 x 12 mm	1m, BNC	ECFG7350401B
General Purpose Refillable Combination pH Electrode, Sleeve Design	0 to 13 pH	Glass	Single junction, sleeve design for faster response in high viscosity solutions	Refillable, ECRE001	0 to 100°C	110 x 12 mm	1m, BNC	ECFG7351101B
Double Junction Combination pH Electrode	0 to 13 pH	Glass	Double junction, ceramic	Refillable, ECRE002	0 to 100°C	110 x 12 mm	1m, BNC	ECFG7370101B
Spear Tip Double Junction Combination pH Electrode	2 to 11 pH	Glass	Double junction, open pore, suitable for semi-solid samples	Sealed, polymer-gel	0 to 50°C	80 x 6 mm	1m, BNC	EC620133
General Purpose Combination pH Electrode, Open Pore	0 to 13 pH	Plastic	Single junction, porous HDPE pin	Sealed, gel-filled	0 to 80°C	90 x 12 mm	1m, BNC	ECFC7252101B
Double Junction Combination pH Electrode	0 to 13 pH	Plastic	Double junction, porous HDPE pin	Sealed, gel-filled	0 to 80°C	90 x 12 mm	1m, BNC	ECFC7252201B
General Purpose Refillable Combination pH Electrode	0 to 13 pH	Plastic	Single junction, porous HDPE pin	Refillable, ECRE001	0 to 80°C	90 x 12 mm	1m, BNC	ECFC72521R01B
Double Junction Refillable Combination pH Electrode	0 to 13 pH	Plastic	Double junction, porous HDPE pin	Refillable, ECRE002	0 to 80°C	90 x 12 mm	1m, BNC	ECFC72522R01B
General Purpose 3-in-1 pH/Temperature Electrode	0 to 13 pH	Plastic	Single junction, porous HDPE pin	Sealed, gel-filled	0 to 80°C	90 x 12 mm	1m, BNC and 2.5 mm phono	ECFC7352901B
Temperature Electrode	_	Stainless steel	_	_	0 to 100°C	117 x 3 mm	1m, 2.5 mm phono	PH5TEMB01P
General Purpose ORP Electrode	–1000 to +1000 mV	Plastic	Double junction, platinum pin	Sealed, gel-filled	0 to 80°C	90 x 12 mm	1m, BNC connector	ECFC7960201B

Conductivity Probes

For use with Eutech 1720 Conductivity Bench Meters.

Description	Range	Material	Temperature Range	Dimensions	Cable	Cat. No.
2-Electrode Conductivity/ ATC Cell	0 to 150 mS, K=1.0	Stainless steel rings, PP and Ultem [™] body	0 to 80°C	144 x 16 mm	1 m, 8-pin DIN	CONSEN9501D
2-Electrode Conductivity/ ATC Cell	<200 µS, K=0.1	Stainless steel rings, epoxy body	0 to 80°C	115 x 12 mm	1 m, 8-pin DIN	93X546101
4-Electrode Conductivity/ ATC Cell	0 to 350 mS, K=0.530	Graphite with epoxy body	0 to 100°C	120 x 12 mm	1 m, 8-pin DIN	CONSEN9201D

Eutech Dissolved Oxygen Probes For use with Eutech 1730 Dissolved Oxygen Bench Meters.

Description	Range	Material	Temperature Range	Dimensions	Cable	Cat. No.
Galvanic Dissolved Oxygen/ ATC Probe	0 to 20 mg/L	Stainless steel rings, PP and Ultem body	0 to 50°C	78 x 16.5 mm	0.9 m, BNC and 2.5 mm phono	DO6HANDY



Eutech pH and ORP Solutions

Description	Cat. No.
pH 1.68 buffer, colourless, 480 mL	ECBU1BT
pH 4.01 buffer, colourless, 480 mL	ECBU4BT
pH 4.01 buffer, red coloured, 1 L	ECBU4BTC1LIT
pH 4.01 buffer, red coloured, 480 mL	ECBU4BTC
pH 4.0 buffer, red coloured, 60 mL	01X608001
pH 4.01 buffer sachets, 20 x 20 mL	ECBU4BS
pH 6.86 buffer, colourless, 480 mL	ECBU686BT
pH 7.00 buffer, colourless, 480 mL	ECBU7BT
pH 7.00 buffer, yellow coloured, 1 L	ECBU7BTC1LIT
pH 7.00 buffer, yellow coloured, 480 mL	ECBU7BTC
pH 7.00 buffer, yellow coloured, 60 mL	01X607901
pH 7.00 buffer sachets, 20 x 20 mL	ECBU7BS
pH 9.00 buffer, colourless, 480 mL	ECBU9BT
pH 9.18 buffer, colourless, 480 mL	ECBU918BT
pH 10.01 buffer, blue coloured, 1 L	ECBU10BTC1LIT
pH 10.01 buffer, blue coloured, 480 mL	ECBU10BTC
pH 10.01 buffer, colourless, 480 mL	ECBU10BT
pH 10.0 buffer, blue coloured, 60 mL	01X608101
pH 10.01 buffer sachets, 20 x 20 mL	ECBU10BS
pH 12.45 buffer, colourless, 480 mL	ECBU12BT
pH 4, 7, 10 buffer set, colourless, 480 mL each	ECPHBUFKIT
pH 4, 7, 10 buffer set, coloured, 480 mL each	ECPHBUFKITC
Deionised water rinse sachets	ECRINWT
Storage solution for pH electrode, 480 mL	ECRE005
Storage solution for EC620130 pH electrode, 500 mL	ECRE006
Protein cleaning solution for pH electrode, 480 mL	ECDPCBT
Single junction pH and ORP electrode fill solution, 480 mL	ECRE001
Double junction pH and ORP electrode fill solution, 480 mL	ECRE002
ORP pre-treatment solution (475 mV), 480 mL	ECORPPRE
ORP standard, quinhydrone 263 (263 mV, ±30 mV at 25°C), 480 mL	ECORPQUIN
ORP standard, quinhydrone 86 (86 mV, ±30 mV at 25°C), 480 mL	ECORPQUIN086





Eutech Conductivity, TDS and Salinity Solutions

Parameter	Description	Cat. No.
	10 µS/cm KCl conductivity standard sachets, 20 x 20 mL	ECCON10BS
	84 μS/cm KCl conductivity standard, 480 mL	ECCON84BT
	84 μS/cm KCl conductivity standard, 60 mL	01X609201
	100 μS/cm KCl conductivity standard, 480 mL	ECCON100BT
	447 µS/cm KCl conductivity standard sachets, 20 x 20 mL	ECCON447BS
	500 µS/cm KCl conductivity standard, 480 mL	ECCON500BT
	1,413 µS/cm KCl conductivity standard, 480 mL	ECCON1413BT
Conductivity Standard Solutions	1,413 µS/cm KCl conductivity standard, 60 mL	01X608301
	1,413 µS/cm KCl conductivity standard sachets, 20 x 20 mL	ECCON1413BS
	2,764 µS/cm KCl conductivity standard, 480 mL	ECCON2764BT
	2,764 µS/cm KCl conductivity standard sachets, 20 x 20 mL	ECCON2764BS
	5.0 mS/cm KCl conductivity standard, 480 mL	ECCON5000BT
	12.88 mS/cm KCl conductivity standard, 480 mL	ECCON1288BT
	15,000 µS/cm (15 mS/cm) KCl conductivity standard sachets, 20 x 20 mL	ECCON15000BS
	111.8 mS/cm KCl conductivity standard, 480 mL	ECCON1118BT
	50 ppm 442 TDS standard, 480 mL	EC44250BT
TDS Standard Solutions	300 ppm 442 TDS standard, 480 mL	EC442300BT
1D5 Standard Solutions	1,000 ppm 442 TDS standard, 480 mL	EC4421000BT
	3,000 ppm 442 TDS standard, 480 mL	EC4423000BT
	5 ppt NaCl salinity standard, 480 mL	ECNACL5PPT
Salinity Standard Solutions	25 ppt NaCl salinity standard, 480 mL	ECNACL25PPT
Saminy Standard Solutions	45 ppt NaCl salinity standard, 480 mL	ECNACL45PPT
	3,000 ppm KCl salinity standard sachets, 20 x 20 mL	ECCON3000BS

Eutech Dissolved Oxygen Solution

Parameter	Description	Cat. No.
Dissolved Oxygen Solutions	Zero oxygen solution, 0% dissolved oxygen, 480 mL	ECDOZEROSOLN



Learn more at thermofisher.com/eutech

This product is intended for General Laboratory Use. It is the customer's responsibility to ensure that the performance of the product is suitable for customers' specific use or application. ©2022 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified. Ultem is a trademark of SHPP Global Technologies B.V. B-EUTECH1700-E 0722.

thermo scientific