



Bench meters

Achieve consistent conductivity analysis

Eutech 1720 conductivity bench meters

Measure conductivity, salinity or TDS using the Eutech 1720 Bench Meter.

Benefits

- Simplify conductivity, salinity and TDS testing with these economical conductivity meters
- Easily view 5" display with backlight
- Save bench space with small meter footprint
- Support GLP compliance with date and time stamped logs
- Help ensure accuracy with viewable calibration logs with date and time stamp
- Track critical data with 500-point log with date and time stamp
- Keep long-term records with data output to a printer or computer

The Thermo Scientific™ Eutech™ 1720 Conductivity Bench Meter is designed for laboratory users with diverse ranges of technical knowledge who require an easy-to-use and easy-to-calibrate meter for routine conductivity, salinity and TDS testing. The meter's large, backlit display offers easy-to-view readings and the meter's small footprint reduces its required bench space. This conductivity meter is ideally suited for simplified, economical lab testing.

Analyze conductivity, salinity or TDS simultaneously with temperature using the Eutech 1720 Conductivity Bench Meter. Measure conductivity in a range of 0.00 $\mu\text{S}/\text{cm}$ to 500.0 mS/cm, measure salinity in a range of 0.00 to 80.0 ppt, measure TDS in a range of 0.00 ppm to 500.0 ppt and measure temperature in a range of -5.0 to 105.0 °C. Perform one-to-five-point conductivity calibrations, one-point salinity calibrations, one-to-five-point TDS calibrations and one-point temperature adjustment calibrations.

Use the onscreen stabilizing and ready indicators to help identify when conductivity meter, salinity meter and TDS meter readings are complete. View active conductivity, salinity, TDS and temperature calibration logs with date and time stamp to enable accurate, reproducible measurements. Record key measurements using the 500-point data log with date and time stamp. Output data logs and calibration logs to a printer or computer for long-term data storage.

Product specifications

Parameter	Description
Conductivity	
Range	0.00 μ S/cm to 500.0 mS/cm
Resolution	0.01, 0.1, 1 μ S/cm; 0.01, 0.1 mS/cm
Relative accuracy	\pm 0.5% reading \pm 1 LSD
Calibration points	1 to 5 points
Calibration method	Automatic standard recognition with manual entry option
Temperature compensation	Linear (0 to 10 %/°C) or off
Reference temperature	15.0, 20.0, 25.0 or 30.0 °C
Salinity	
Range	0.00 to 80.0 ppt
Resolution	0.01, 0.1 ppt
Relative accuracy	\pm 0.5% reading \pm 1 LSD
Calibration points	1 point
Modes	Natural Seawater (ppt)
TDS	
Range	0.00 ppm to 500.0 ppt (1.00 factor)
Resolution	0.01, 0.1, 1 ppm; 0.01, 0.1 ppt
Relative accuracy	\pm 0.5% reading \pm 1 LSD
Calibration point	1 to 5 points
TDS factor	0.40 to 1.00
Temperature	
Range	-5.0 to 105.0 °C
Resolution	0.1 °C
Relative accuracy	\pm 0.3 °C
Calibration points	1 point
Offset adjustment	Up to \pm 5 °C
Features	
Display	5" backlit LCD
Time and date	Yes
Time format	12 hour AM/PM
Date format	Selectable, DD-MM-YYYY or MM-DD-YYYY
Read types	Continuous, Auto-Read, Timed

Parameter	Description
Features - continued	
Timed interval	5 seconds to 60 minutes
Data log	500 sets with time and date
Calibration log	Active conductivity, salinity, TDS, temperature with time and date
Calibration alarm	Yes, 1 to 168 hours or off
Sleep mode	Yes, optional
Self-test	Automatic with startup
Memory	Non-volatile
Input	DIN
Data output	Computer or printer
Data output format	CSV or print
Warranty	3 years
Certifications	CE, cTUVus, FCC Class B, CES-001, KC, RCM
Enclosure	IP-54
Power	100-240 VAC, 50-60Hz, 9 DC adapter, 1.3A
Dimensions (L x W x H)	187.2 mm x 155.2 mm x 61.7 mm
Weight	700 grams
Environmental conditions	
Environmental conditions	Indoors
Altitude	Up to 2,000 metres
Operating temperature	5°C to 45°C
Operating relative humidity	5 to 85%, non-condensing
Storage temperature	-20°C to 60°C
Storage relative humidity	5 to 85%, non-condensing
Mains fluctuation	\pm 10% of range (100-240VAC)
Installation category	II
Pollution degree	2
Protection class	III

Ordering Information

Description	Cat. No.
Thermo Scientific Eutech 1720 Conductivity Bench Meter with electrode stand, PC cable and universal power adapter	EBEC172000
Thermo Scientific Eutech 1720 Conductivity Bench Meter standard kit, includes meter with electrode stand, PC cable, universal power adapter, CONSEN9501D 2-Electrode Conductivity/ATC Cell with K=1.0 and uitem body, ECCON1413BS 1413 μ S/cm conductivity standard sachet 20 pack	EBEC172001
Thermo Scientific Eutech 1700 series electrode stand with meter-attachable bracket	EB1700ARM
Thermo Scientific Eutech 1700 series universal power adapter with twist-and-lock connector, 100-240V 50/60Hz	EB1700PWR
Thermo Scientific Eutech 1700 series USB computer cable	EB1700USB
Thermo Scientific Eutech 1700 series meter dust cover	EB1700CVR
Thermo Scientific Eutech Compact Thermal Printer for Eutech meters; 100-240V, 50/60Hz	01X594301
Thermo Scientific Eutech Replacement Paper for compact thermal printer, 2 rolls	01X594401

 Learn more at thermofisher.com/eutech

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