



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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