



 Bench meters

Achieve consistent dissolved oxygen analysis

Eutech 1730 DO bench meters



Measure dissolved oxygen using the Eutech 1730 Bench Meter.

Benefits

- Simplify dissolved oxygen testing with these economical DO 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™ 1730 Dissolved Oxygen 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 dissolved oxygen testing. The meter's large, backlit display offers easy-to-view readings and the meter's small footprint reduces its required bench space. This DO meter is ideally suited for simplified, economical lab testing.

Analyze dissolved oxygen as percent saturation, concentration in mg/L or concentration in ppm simultaneously with temperature using the Eutech 1730 DO Bench Meter. Measure dissolved oxygen in a range of 0.0 to 300.0 % saturation, 0.00 to 30.0 mg/L or ppm and measure temperature in a range of -5.0 to 105.0 °C. Perform 100% saturation, 0% saturation and custom concentration calibrations for dissolved and one-point temperature adjustment calibrations.

Use the onscreen stabilizing and ready indicators to help identify when DO meter readings are complete. View active dissolved oxygen and temperature calibration logs with date and time stamp to ensure 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
Dissolved oxygen as percent saturation	
Range	0.0 to 300.0 % saturation
Resolution	0.1, 1 % saturation
Relative accuracy	±2 % saturation ± 1 LSD
Calibration types	100 % and 0 %
Barometric pressure compensation	400.0 to 850.0 mmHg; 0.533 to 1.133 bar
Salinity compensation	0.0 to 50.0 ppt
Dissolved oxygen as concentration	
Units	mg/L or ppm
Range	0.00 to 30.0 mg/L or ppm
Resolution	0.01, 0.1 mg/L or ppm
Relative accuracy	±0.02 mg/L or ppm ± 1 LSD
Calibration points	1 point, custom value
Barometric pressure compensation	400.0 to 850.0 mmHg; 0.533 to 1.133 bar
Salinity compensation	0.0 to 50.0 ppt
Temperature	
Range	-5.0 to 105.0 °C
Resolution	0.1 °C
Relative accuracy	±0.3 °C
Calibration points	1 point
Offset adjustment	Up to ±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
Timed interval	5 seconds to 60 minutes

Parameter	Description
Features - continued	
Data log	500 sets with time and date
Calibration log	Active dissolved oxygen, 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	BNC and ATC
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)	198.3 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	±10% of range (100-240VAC)
Installation category	II
Pollution degree	2
Protection class	III

Ordering Information

Description	Cat. No.
Thermo Scientific Eutech 1730 DO Bench Meter with electrode stand, PC cable and universal power adapter	EBDX173000
Thermo Scientific Eutech 1730 DO Bench Meter standard kit, includes meter with galvanic DO/ATC probe, stand, PC cable and power adapter	EBDX173001
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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