

Eutech DO 450



Dissolved Oxygen / Temperature

Affordable optical RDO technology reduces maintenance time and costs

- Maintenance free optical probe with no electrolyte eliminates hassle of replacing delicate membranes and salt build up from refilling solutions
- Durable waterproof and dustproof design with IP67 rating
- Large, backlit custom display provides measurement with temperature
- Switch between % saturation and mg/L (ppm) dissolved oxygen with a press of a button
- **Calibration due alarm** – Set a visible reminder when it is time to recalibrate the meter
- Manual barometric pressure and salinity correction
- **Selectable °C or °F** – Choose the unit to best fit your application
- Ready indicator, manual or automatic measurement hold feature and optional automatic shutoff function
- **Store up to 500 data sets** – Easy USB or RS232 output with optional data cables
- **Built-in real-time clock stamps stored data and calibration data with time and date** – Meets standards for GLP (Good Laboratory Practices)
- 500 hours battery life or use optional universal power adapter
- **Built-in stand with wall-mount** – Allows for easy benchtop measurement and storage



Calibration Chamber



RDO Weight/Guard



RDO Sensor Cap



RDO Probe



Specification Table

| | | |
|---|--|--|
| Dissolved Oxygen | Range | 0 to 200 %; 0 to 20 ppm/mg/L |
| | Resolution | 0.10 %; 0.1 ppm/mg/L |
| | Accuracy | ±2 %; ±0.1 ppm or mg/L up to 8; ±0.2 ppm or mg/L above 8 |
| | Calibration | Zero and saturation |
| Temperature | Range | 0.0 to 50.0 °C (0.0 to 122.0 °F) |
| | Resolution | 0.1 °C/°F |
| | Accuracy | ±0.5 °C; ±0.9 °F |
| | Calibration | Offset in 0.1 increments, ±10 °C or ±18 °F |
| Display | Custom LCD with backlight | |
| Memory | Stores up to 500 data sets | |
| Output | USB or RS232 | |
| Real-Time Clock | Time and date stamp on calibration and stored data | |
| Temperature Compensation | Yes | |
| Pressure & Salinity Compensation | Manual | |
| Power | Two AA batteries (included), >100 hours (without backlight); AC adapter (optional) | |



Ordering Information

| Order Code | Part No. | Description |
|--------------------|---------------|--|
| Meter | | |
| ECDOWP45000 | 01X651634 | DO 450 Meter Only: Meter, two AA batteries |
| ECDOWP45003 | 01X651644 | DO 450 Meter & Electrode: Meter, RDO electrode with sensor cap, two AA batteries |
| ECDOWP45003K | 01X651635 | DO 450 Meter Kit: Meter, RDO electrode with sensor cap, two AA batteries, hard carry case, USB cable, RDO stainless steel weight/guard, RDO calibration chamber |
| Electrodes | | |
| RDO3M | RDO3M | RDO probe, 3 m (10 ft) cable |
| RDO6M | RDO6M | RDO probe, 6 m (20 ft) cable |
| RDO15M | RDO15M | RDO probe, 15 m (50 ft) cable |
| Accessories | | |
| RDOCAP | RDOCAP | Replacement RDO sensor cap |
| RDOWEIGHT | RDOWEIGHT | RDO weight/guard, screw thread to attach to probe |
| RDOCALCHAMBER | RDOCALCHAMBER | Calibration chamber |
| 60X426401 | 60X426401 | Optional 100 / 240 VAC SMPS power adapter, 9V, 6W |
| MINIPHONEUSB | MINIPHONEUSB | USB cable for 450 series, mini phone plug to USB |
| 30X427301 | 30X427301 | RS232 cable for 450 series, mini phone plug to RS232 9-pin (F) |
| ECDOZEROSOLN | 01X211238 | Zero oxygen solution, 0 % DO, 480 mL |