

Water Quality Meters

YSI 85 Salinity/Conductivity/Dissolved Oxygen/Temperature Meter

This high quality multi-parameter device includes an Auto-range feature for conductivity and is factory calibrated for conductivity, never needing recalibration. Only a single dissolved oxygen calibration is required. For highly technical use, the Advanced Set-up mode provides high flexibility for very specific study parameters.

FEATURES

- Rugged probe and cable design
- Waterproof to IP65
- Easy to read, bright backlit display
- Microprocessor controlled self-diagnostics
- Built-in probe storage chamber
- Adjustable hand strap
- Meter available in 12, 25, 50, and 100 foot cable lengths for in-situ measurements
- Data logging feature – Records results from 50 sites with site identification and safely stores data points in non-volatile memory.

SPECIFICATIONS

| | |
|---------------------------------|--|
| Operating Environment | Fresh, salt, or polluted water & other liquids |
| Depth | 0-10, 0-25, 0-50, 0-100 ft. (cable lengths) |
| Storage Temperature | 0-10° to +50°C |
| Material | ABS, stainless steel and other materials |
| Dimensions | 2.2" L x 3.5" W x 9.5" H (5.6 x 8.89 x 24.13cm) |
| Weight | 4 lbs. (1.82 kg) |
| Display | 2.3" H x 1.5" L (5.8 x 3.8cm) |
| Power | 6 AA alkaline batteries (included) |
| Battery Life | Approximately 100 hours continuous |
| Water Tightness | Meets or exceeds IP65 standards |
| Temperature Compensation | Automatic |
| Range | Auto for DO, user selected/auto for conductivity |

Typical Performance:

| Sensor Type | Range | Resolution | Accuracy |
|---|-----------------|---------------|--------------|
| Conductivity | 0 to 499.9µS/cm | 0.1µ/cm | ±0.5% FS |
| | 0 to 4999µS/cm | 1.0µS/cm | ±0.5% FS |
| | 0 to 49.99mS/cm | 0.01mS/cm | ±0.5% FS |
| | 0 to 200.0mS/cm | 0.1mS/cm | ±0.5% FS |
| Salinity | 0 to 80ppt | 0.1ppt | ±2% or ±0.1 |
| Temperature | -5° to +95°C | 0.1°C | ±0.1°C |
| DO | 0-200%/0-20mg/L | 0.1%/0.01mg/L | ±2%/±0.3mg/L |
| Conductivity Reference Temperature | 15° to 25°C | | |
| Conductivity Temp. Compensation | 0% to 4% | | |



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