

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 & 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
- The probe is less than 1" in diameter
- Data logging feature - Records results from 50 sites with site identification and safely stores data points in non-volatile memory.



SPECIFICATIONS

Operating Env't. Medium	Fresh, sea or polluted water & other liquids
Depth	0 - 10, 0 - 25, 0 - 50, 0 - 100ft (cable length)
Storage temp.	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 x24.13cm)
Weight	4 lbs with 10ft cable (1.82kg)
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
Temp. comp.	Automatic
Range	Auto for DO, user selected/auto for conductivity

Typical performance:

	<u>Range</u>	<u>Resolution</u>	<u>Accuracy</u>
Conductivity	0 to 499.9mS/cm	0.1mS/cm	± 0.5%FS
	0 to 4999mS/cm	1.0mS/cm	± 0.5%FS
	0 to 49.99mS/cm	0.01mS/cm	± 0.5%FS
Salinity	0 to 200.0mS/cm	0.1mS/cm	± 0.5%FS
	0 to 80ppt	0.1ppt	±2% or ±0.1
Temperature	-5 to +95°C	0.1°C	±0.1°C(±1 lsd)
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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