

Specifications

DO Range	0.00 to 50.00 ppm (mg/L); 0.0 to 600.0% saturation
DO Resolution	0.01 ppm (mg/L); 0.1% saturation
DO Accuracy	±1.5% of reading ±1 digit
DO Calibration	automatic one or two point at 100% saturation (8.26 mg/L) and 0% saturation (0 mg/L).
Atmospheric Pressure Range	450 to 850 mmHg
Atmospheric Pressure Resolution	1 mmHg
Atmospheric Pressure Accuracy	± 3 mmHg within ±15% from the calibration point
Atmospheric Pressure Calibration	one point at any in range pressure value
Temperature Range	-20.0 to 120.0°C (-4.0 to 248.0°F)
Temperature Resolution	0.1°C (0.1°F)
Temperature Accuracy	±0.2°C; ±0.4°F (excluding probe error)
Temperature Calibration	one or two point at any in range temperature value
Temperature Compensation	automatic from 0 to 50°C (32 to 122°F)
Measurement Modes	direct DO; BOD (biochemical oxygen demand); OUR (oxygen uptake rate); SOUR (specific oxygen uptake rate)

Barometric Compensation	automatic from 450 to 850 mmHg
Salinity Compensation	automatic from 0 to 70 g/L
Electrode/Probe	HI764073 polarographic DO probe with protective sleeve, internal temperature sensor, DIN connector and 4m (13') cable (included)
Log-on-demand	up to 400 samples
PC Connectivity	opto-isolated USB with optional HI 92000 software and micro USB cable
Battery Type/Life	1.5V AA batteries (4) / approximately 200 hours of continuous use without backlight (50 hours with backlight)
Auto-off	user selectable: 5, 10, 30, 60 min or can be disabled
Environment	0 to 50°C (32 to 122°F); RH 100% (IP67)
Dimensions	185 x 93 x 35.2 mm (7.3 x 3.6 x 1.4")
Weight	400 g (14.2 oz.)
Ordering Information	HI98193 is supplied with HI764073 DO probe, preformed PTFE membrane cap (2), HI7041S electrolyte solution (30 mL), HI7040 bicomponent zero oxygen solution, 100 mL plastic beakers (2), HI92000 PC software, HI920015 micro USB cable, 1.5V AA batteries (4), instruction manual, quick start guide, instrument quality certificate and HI760193 rugged carrying case.