

HI-98193 Professional Waterproof Dissolved Oxygen and BOD meter

The HI98193 portable dissolved oxygen meter has extended ranges of up to 50 ppm and 600% saturation. When measuring dissolved oxygen, compensations for salinity, temperature and pressure are essential to improve the accuracy and precision of readings.

Salinity compensation allows for direct determination of dissolved oxygen in saline waters. Temperature compensation is automatic with the probes built-in sensor, which features a one or two-point calibration. Pressure compensation with the meter's built-in barometer can be validated against a reference barometer, and if needed, can be recalibrated in user-selectable units (mmHg, inHg, atm, psi, kPa, mbar). With the internal barometer, the HI98193 is able to compensate for changes in barometric pressure so there is no need for charts, altitude information or external barometric pressure information.

Other features include measurement, methods and calculations for BOD, OUR and SOUR.

- Waterproof to IP67 (including probe sockets).
- Large dot matrix display with backlight.
- On-screen calibration instructions.
- Log on demand (400 samples)
- USB for data download (cable and software supplied).
- Automatic calibration at one or two points (0% & 100%)
- Salinity and Altitude compensation
- Reads in DO; BOD; OUR and SOUR
- Built-in calculations for all measurements
- Auto Temperature compensation.
- GLP and on screen help



DO/35120

Technical Specification

Parameter	Range/resolution	Accuracy
Dissolved Oxygen	0.00 to 50.00 mg/l; 0.0 to 600.0%	$\pm 1.5\%$ of reading ± 1 digit
Atmospheric pressure	450 to 850mm Hg	1 mm Hg
Temperature	-20 to 120°C	$\pm 0.2^\circ\text{C}$

Cat. No.	Description
DO/35120	Hanna HI-98193 Professional Waterproof Dissolved Oxygen and BOD meter supplied with DO probe with built-in temperature sensor on 4m cable, Oxygen solution and probe electrolyte, PTFE membrane caps and "O" rings x2, USB cable and software, beakers, batteries and carry case