

## MODEL 9200 DISSOLVED OXYGEN METER

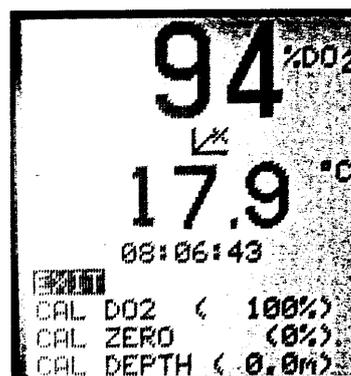
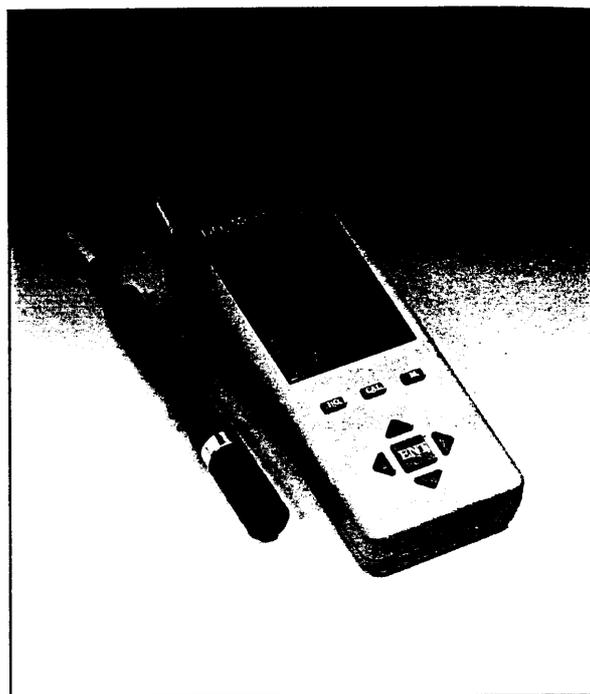
The Model 9200 is a fully specified unit combining ease of use and robust construction. Utilising a Clark type polarographic membrane electrode optimised for both speed of response and the ability to withstand the rigours of portable use, dissolved oxygen measurements can be made either as % saturation or as concentration in mg/l (ppm).

The DO<sub>2</sub> sensor incorporates a precision temperature measuring device which determines and displays the temperature of the analyte and automatically corrects for the changes in membrane permeability and oxygen solubility which occur with variations in temperature.

Calibration is a simple push-button operation carried out in the % saturation mode with clear instructions given via the graphics display.

The sensor measures the partial pressure of oxygen and the reported results are influenced by atmospheric pressure and depth, unless appropriate compensation is made. The standard 9200 allows these values to be entered through the menu options. Alternatively, the optional pressure/depth sensor automatically carries out a pressure compensation routine. This option also enables the display of depth information to a maximum of 50 metres and with a resolution of 0.1 metres - a feature which is of particular value when oxygen profiles of open water are being established.

This option is supplied on a convenient drum equipped with 50 metres of cable.



### Specifications

#### DO<sub>2</sub>

Ranges: 0 to 199%/0 to 25.0%/0 to 19.99mg/l  
 Resolution: 1%/0.1%/0.1mg/l  
 Accuracy: ±2% within 10°C of calibration temperature

#### Temperature

Ranges: -10 to +60°C/+14 to +140°F  
 Resolution: 0.1°C/1°F  
 Accuracy: ±0.5°C/±1°F

**ATC Range:** -10 to +60°C

#### \* Pressure

Range: 0 - 6bar  
 Resolution: 0.01bar  
 Accuracy: ±0.05bar

#### \* Depth

Range: 0 - 50metres  
 Resolution: 0.1metres  
 Accuracy: 0.5metres

#### \* Parameters only available with optional probe

**Clock:** 24 hour, hours/mn/sec or day of month, month and year, leap year corrected

**Power:** 3 AA cells

**Size:** 200(l) x 80(w) x 60(d)mm

**Weight:** 370g

