

# Enterprise & Premier Dissolved Oxygen

## Enterprise 970 DO<sub>2</sub>

The 970 measures Dissolved Oxygen as percentage saturation which can be calibrated to 100% for Air Saturation readings or to 20.9% for % Oxygen saturation. True concentration measurements can be made in the mg/l range.

Automatic temperature compensation for oxygen solubility and membrane permeability is embedded in the single polarographic sensor.

Sensor maintenance and membrane replacement is made easier by the use of ready-to-fit membrane caps that simply need filling with the KCl solution supplied.

Barometric and Salinity compensation can be digitally entered via the keypad when required.

A simple, dual-function memory bar enables up to 32 readings to be stored and recalled from the non-volatile internal memory.



IP65

## Premier 9150 DO<sub>2</sub> & 9200 DO<sub>2</sub>/BOD

Making selections from a single menu bar on the display of the 9150 enables easy set up and operation.

A choice of calibration to either 100% for Air Saturation readings or up to 20.9% for Oxygen Saturation can be made from the menus, while true concentration measurements can be made by selecting the mg/l range. Compensation for atmospheric pressure changes and for the salinity of samples may be entered too.

The 9200 has all the features of the 9150 with the addition of a range for BOD calculations that are made from sample readings that have been saved in the internal memory.

Comprehensive error checking of the entered and calculated data is carried out automatically to ensure the integrity of the results.

The simple navigation keys enable easy set up and operation from the enhanced menu selections that may be viewed in a number of languages.

All stored results have a date and time stamp for full traceability. They can also be downloaded to a printer or other data display device using the optional interface cradle.



IP67

970 201	Model 970 Enterprise DO <sub>2</sub> meter supplied with DO <sub>2</sub> probe, (970 231) spare membranes & KCl, zero salts, batteries (fitted) and operating instructions.
970 241	Model 970 Enterprise DO <sub>2</sub> meter supplied in carry case with DO <sub>2</sub> probe, (970 231) spare membranes & KCl, zero salts, batteries (fitted) and operating instructions.
557 001	Model 9150 Premier waterproof (IP67) DO <sub>2</sub> meter supplied with DO <sub>2</sub> probe (541 520), spare membranes & KCl, zero powder, membrane cover, membrane protective cap, batteries and operating instructions.
541 001	Model 9200 Premier waterproof (IP67) DO <sub>2</sub> meter supplied with DO <sub>2</sub> probe (541 520), spare membranes & KCl, zero powder, membrane cover, membrane protective cap, batteries and operating manual.

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## Technical Specification

Model	Enterprise 970	Premier 9150	Premier 9200
<b>Dissolved Oxygen</b>			
Ranges	-5 to 199%, -5 to 25.0%, -5 to 19.99mg/l	0 to 199%, 0 to 25%, 0 to 19.99mg/l	0 to 199%, 0 to 25%, 0 to 19.99mg/l
Resolution	1%, 0.1%, 0.01mg/l	1%, 0.1%, 0.01mg/l	1%, 0.1%, 0.01mg/l
Accuracy	±2% within 10°C of cal. temp.	±2% within 10°C of cal. temp.	±2% within 10°C of cal. temp.
<b>Temperature</b>			
Ranges	-10 to 105°C/14 to 221°F	-10 to 60°C/14 to 140°F	-10 to 60°C/14 to 140°F
Resolution	0.1°C/1°F	0.1°C/1°F	0.1°C/1°F
Accuracy	±0.5°C/±1°F	±0.5°C/±1°F	±0.5°C/±1°F
ATC	0 to 60°C/32 to 140°F	-10 to 60°C/14 to 140°F	-10 to 60°C/14 to 140°F
Clock	-	-	24 hour, hrs/min/sec or day of month/month/ year, leap year corrected
Power	2AA cells	3AA cells	3 AA cells
Size (lwxwd) (mm)	175x75x35	200x80x60	200x80x60
Weight (g)	250g	370g	370g

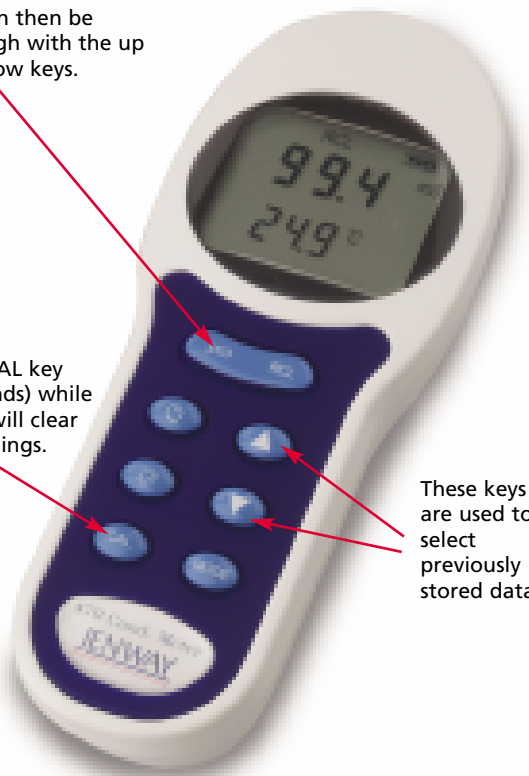
## Results Storage Enterprise

The Enterprise range has the ability to store up to 32 readings for later recall onto the display (except 430).

The stored data is retained in the event of battery failure and during battery replacement.

The dual-function memory bar is used to access the 32 reading memory (except 430). Pressing STO saves results to the non-volatile internal memory. Pressing RCL recalls stored results that can then be scrolled through with the up and down arrow keys.

Pressing the CAL key (>than 3 seconds) while in RCL mode will clear all stored readings.



These keys are used to select previously stored data

## Premiers

The top of the range Premier models (3205, 4200 and 9200) can output stored data using the interface cradle accessory. This data can be printed out by the serial printer or downloaded to other data capture devices. For these accessory items refer page 12.

Up to 100 readings can be stored by pressing the memory key; the data stored can then be recalled to the display.



This illustration shows the Model 4200 being used with the interface cradle (542 001). The interface cable kit (542 009) is used for connecting between the cradle and 40 column serial printer (543 001).