

JENWAY

Dissolved Oxygen Meters

Dissolved oxygen measurements are a standard method in water quality analysis. As this technique is often performed out in the field the Jenway range of dissolved oxygen (DO₂) meters includes basic and waterproof portables, as well as an advanced laboratory meter. Accessories for Biological Oxygen Demand (BOD) analysis are available for both portable and bench units.

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Dissolved Oxygen Meters

DO₂ Meter Options

	970	9150	9200	9500
Type	Portable	Portable	Portable	Bench
DO ₂ ranges				
% air saturation	-5 to 199	0 to 199	0 to 199	0 to 199
% oxygen saturation	-5 to 25	0 to 25	0 to 25	0 to 25
Concentration (mg/l)	-5 to 19.99	0 to 19.99	0 to 19.99	0 to 19.99
Temperature	✓	✓	✓	✓
Temperature units	°C/°F	°C/°F	°C/°F	°C/°F
Atmospheric pressure correction	✓	✓	✓	✓
Salinity	-	-	✓	-
No. results stored	32	100	100	32
GLP compliant	-	-	✓	-
Outputs	-	-	Interface cradle	Analogue RS232 IrDA

Dissolved Oxygen Meters

970 Enterprise Dissolved Oxygen Meter

- Portable and ideal for field work
- Results as % air saturation, % oxygen or mg/l
- Automatic calibration
- Manual atmospheric pressure and salinity correction
- Storage of up to 32 results

The 970 is a general purpose, hand held dissolved oxygen meter that combines accurate measurement and ease of use in a robust, ergonomic case. The display simultaneously shows % dissolved oxygen or oxygen concentration (mg/l) and temperature. All readings are automatically corrected for temperature with the option to manually enter corrections for pressure and salinity. The 970 is supplied with a single probe with integrated temperature measurement, allowing automatic temperature compensation as standard.

Technical Specification

DO₂

Ranges	-5 to 199%
	-5 to 25.0%
	-5 to 19.99mg/l
Resolution	1%, 0.1% or 0.01mg/l
Accuracy	±2% within 10°C of calibration temperature

Temperature

Range	-10 to +105°C
Resolution	0.1°C
Accuracy	±0.5°C
ATC range	0 to +60°C
Power	2 AA batteries
Size (l x w x d)	175 x 75 x 35mm
Weight	250g



970

Ordering Information

Part Code	Description
970 201	970 dissolved oxygen meter supplied with DO ₂ probe (970 231), spare membranes, KCl fill solution, zero calibration salts and batteries (fitted)
970 271	970 dissolved oxygen meter supplied with DO ₂ probe (970 231), spare membranes, KCl fill solution, zero calibration salts, batteries (fitted) and free carry case

Dissolved Oxygen Meters

9150 and 9200 Premier DO₂ Meters

- Portable and waterproof
- Results as % air saturation, % oxygen or mg/l
- Storage of up to 100 results
- Pressure and salinity compensation options
- Menu driven operation
- Simultaneous display of temperature and oxygen readings

9200 only

- BOD₅ measurement option
- Fully GLP compliant
- Results can be downloaded or printed using optional interface cradle
- 6 language options: English, French, German, Spanish, Italian and Swedish

Technical Specification

9150 and 9200

DO₂

Range	0 to 199% 0 to 25% 0 to 19.99mg/l
Resolution	1%, 0.1%, 0.01mg/l
Accuracy	±2% within 10°C of calibration temperature

Temperature

Range	-10 to +60°C
Resolution	0.1°C
Accuracy	±0.5°C
ATC range	-10 to +60°C
Connector	Waterproof
Power	3 AA batteries
Size (l x w x d)	200 x 80 x 60mm
Weight	370g

Model 9200 only

Clock	24 hour, hours/min/sec or day of month, month and year. Leap year corrected
Outputs	RS232 via interface cradle



9150



9200

Ordering Information

Part Code	Description
557 001	9150 dissolved oxygen meter supplied with DO ₂ probe with ATC (541 520), spare membranes, KCl fill solution, zero calibration powder, membrane protective cap and batteries
541 001	9200 dissolved oxygen meter supplied with DO ₂ probe with ATC (541 520), spare membranes, KCl fill solution, zero calibration powder, membrane protective cap and batteries

Dissolved Oxygen Meters

9500 Bench Dissolved Oxygen Meter

- Results as % air saturation, % oxygen or mg/l
- Automatic zeroing and calibration
- Atmospheric pressure and salinity correction
- BOD₅ measurement and calculation
- RS232 for connection to printer or PC and IrDA for cableless printing option

The 9500 is a research meter designed for use in a number of applications including fish farming/breeding, all forms of aquaculture, environmental analysis, pollution control and effluent management. The 9500 includes powerful data logging capabilities with the ability to store 250 DO₂ readings either manually, at timed intervals or on alarmed events. The 9500 also includes full support for the BOD₅ day test protocol and has the ability to store up to 25 BOD data sets, each with up to 10 samples.

Technical Specification

DO₂	
Range	0 to 199% 0 to 25.0% 0 to 19.99mg/l
Resolution	1%, 0.1%, 0.01mg/l
Accuracy	±2% within 10°C of calibration temperature
Temperature	
Range	-10 to 60°C
Resolution	0.1°C
Accuracy	±0.5°C
ATC/Manual	0 to 60°C
Data Logging	250 readings storage and 20 BOD sets (10 samples per set)
Clock	24 hour, hrs/min/sec or day/month/year, leap year corrected
GLP	Calibration reminder Alarm outputs Security code protected user data
Outputs	Analogue, RS232 and IrDA
Connector	7-pin DIN
Power	9V AC ±10% @ 50/60Hz
Size (l x w x d)	210 x 250 x 55 mm
Weight	850g

Ordering Information

Part Code	Description
950 001	9500 dissolved oxygen meter supplied with DO ₂ probe with ATC (522 023), electrode holder, spare membranes, KCl fill solution, zero calibration salts, adapter bush and UK power supply



9500



9500

Dissolved Oxygen Meters

Enterprise Kit

Ordering Information

Part Code	Description
399 241	Enterprise Kit: 370 pH, 470 Conductivity/TDS and 970 DO ₂ meters in a customised carry case. Supplied with epoxy combination pH electrode (924 001), ATC probe (027 500), conductivity cell with ATC, K=1 (027 298), DO ₂ probe (970 231) buffer sachets, spare membranes, KCl fill solution, zero powder and batteries (fitted)

DO₂ Probes

Part Code	Description	Unit
970 231	DO ₂ probe	970
541 520	DO ₂ probe	9150
541 620	BOD probe with bottle adapters, funnel & stirrer	9200
522 016	BOD bottle attachment 2.5°	9200
522 017	BOD bottle attachment 3.0°	9200
522 018	BOD bottle attachment 6.0°	9200
552 050	BOD kit	9500
522 023	DO ₂ probe with ATC	9500
522 019	Replacement membranes (3) and KCl fill solution	970
		9500
541 550	Replacement membranes (3) and KCl fill solution	9150
		9200
541 650	Replacement BOD membranes (3) and KCl fill	9200
		9500

Consumables

Part Code	Description
541 553	KCl fill solution for DO ₂ probe (30ml)
983 030	Zero calibration powder for DO ₂ probe

Printers and PC Software

Part Code	Description
543 001	40 column serial printer supplied with interface cable, paper roll (060 287), ribbon (060 288) and UK power adapter (requires interface cradle) (9200)
542 001	Interface cradle supplied with interface cable kit (542 009) (9200)
037 701	Thermal printer with IrDA supplied with roll of paper (037 702), universal power adapter and interface cable for non-IrDA units (9500)

Miscellaneous

Part Code	Description
033 270	Carry case (970)
033 175	Carry case (9150 and 9200)
060 406	Dust cover (9500)
037 901	Battery operated bench stirrer
903 400	Bench stand with electrode holder (9200)
903 300	Electrode stand and holder (9500)
903 311	Extended length rod for 903 300 (recommended for use with 037 901) (9500)
021 007	Battery (970)



Enterprise Kit



Printer