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DIVE DYNAMICS OXYGEN ANALYSER MODEL G11-3

THE G11-3 FEATURES A SENSOR PROVIDING FAST ACCURATE RESPONSE AND LONG LIFE.

THE G11-3 MEASURES PERCENT OXYGEN, HAS AN INTERNAL FUEL CELL AND IS SUPPLIED WITH AN 'O' RING SEALED, PUSH-IN FLOW ADAPTOR.

The Sensor.

This combines the benefits of a 3 year expected life with a fast response time of less than 6 seconds to 90% of final reading. It is an electrochemical transducer, specific to Oxygen with produces an electrical output signal proportional to the Oxygen concentration adjacent to its sensing surface. It is a temperature compensated sealed unit, with no electrolyte to change or electrodes to clean. The cell is completely disposable and maintenance free.

Measurement Options

To sample gas from LP source: A sample pipe is connected between one of the flow adaptor pipe connections and the gas to be sampled, which may be contained in a gas bladder such as football bladder. A small length of pipe is also fitted to the 2nd connection on the flow adaptor.

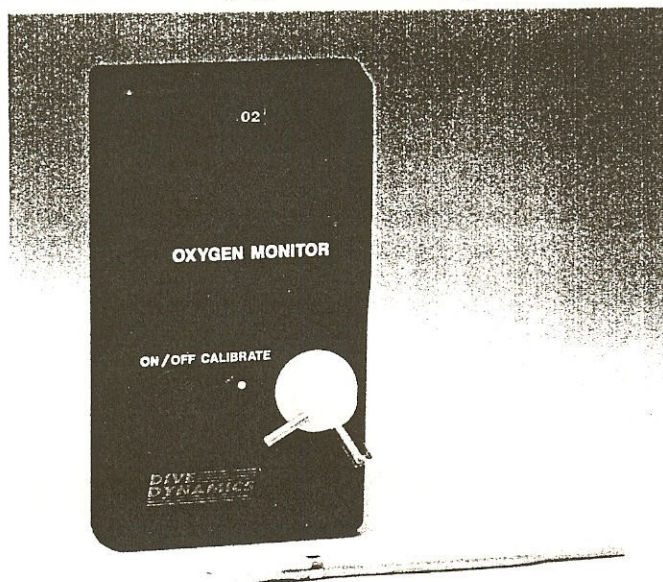
To sample gas from HP supply: The HP connection assembly (optional accessory) is connected at one end to the HP air source and attached to the flow adaptor at the other. With this system the HP gas supply is carefully opened until a flow is felt at the outlet of the flow adaptor, when the reading on the analyser will change. Turn the HP supply off and measure the reading when the display has steadied.

Specification

Range	0-100% Oxygen
Resolution	+/- 0.1% Oxygen
Display	3 1/2 Digit LCD 15mm High Characters
Power	1 x 9 volt battery PP3 or equivalent
Operating Temp	0-50°C (32 - 122°C CF)
Sensor Life	3 years in 21% Oxygen at S.T.P.
Sensor Response	Less than 6 seconds to 90% of final reading
Temperature Effect	Less than 5% of reading over Temp. Range
Flow Rate	250 millilitres/minute/+/- 50 ml/min



Dive Dynamics Oxygen Analyser Model G11-3



The G11-3 features a sensor providing fast, accurate response and long life.

The G11-3 measures percent oxygen, has an internal fuel cell and is supplied with an 'O' ring sealed, pushed-in flow adapter.

The Sensor

This combines the benefits of a 3 year expected life with a fast response time of less than 6 seconds to 90% of final reading. It is an electrochemical transducer, specific to oxygen which produces an electrical output signal proportional to the oxygen concentration adjacent to its sensing surface. It is a temperature compensated sealed unit with no electrolyte to change or electrodes to clean. The cell is completely disposable and maintenance free.

Measurement Options

To sample gas from LP source - A sample pipe is connected between one of the flow adapter pipe connections and the gas to be sampled, which may be contained in a football bladder. These bladders are also available from UWI Circle Ltd, part no DD630112. A small length of pipe is also fitted to the second connection on the flow adapter.

To sample gas from HP supply - The HP connection assembly (optional accessory) is connected at one

end to the HP air source and attached to the flow adapter at the other. With this system, the HP gas supply is carefully opened until a flow is felt at the outlet of the flow adapter, when the reading on the analyser will change. Turn the HP supply off and measure the reading when the display has steadied.

Specification

Range	0-100% Oxygen.
Resolution	+/- 0.1% Oxygen.
Display	3½ Digit LCD 15 mm high characters.
Power	1 x 9 volt Battery PP3 or equivalent.
Operating Temp	0-50 °C (32-122 °F).
Sensor Life	3 years in 21% Oxygen at STP.
Sensor Response	Less than 6 seconds to 90% of final reading.
Temp Effect	Less than 5% of reading over temp range.
Flow Rate	250 mm/min +/- 50 ml/min using flow adapter.