The VN202 is a small lightweight hand held instrument designed specifically for the diving environment. It is supplied in a carrying case for either the instrument alone or the instrument with divertor kit. It has an auto shut off to preserve battery life . It uses a Teledyne R-17 long life sensor (estimated life in air 48 months)

The VN202 has been sealed internally to protect against water and is if it does fail regardless of damage it suffers(including being run over by a trailer) a replacement service exchange unit, excluding sensor, will be shipped to you on receipt of the damaged VN202 at a maximium fixed low charge. (approximately 30% of the current list price of complete instrument). Each replacement instrument will have a full 12 months warranty.

The VN202 has be designed to meet the most commen methods of measuring Oxygen presently being taught.

Our recomendation is the Restrictor method.

Measurement of Oxygen direct from a Pillar valve.

The pressure restrictor VN22F has a standard DIN fitting which can be used directly into a DIN pillar valve or into an A clamp with a DIN Female fitting. The pillar valve should be opened slowly until the gas can just be heard hissing through the tubing. Close the pillar valve after five seconds. Watch the VN202 reading, it should rise and reach a stable level. The secret of accurate fast measurement is gently opening the pillar valve enough to obtain a gas flow of about 2-5 ltrs per minute (a low level hiss) without creating a high pressure on the sensor. After the reading stabilizes (about 10 seconds) open valve again for 5 seconds as above. The reading should this time peak and fall back less than 0.5%.

This method requires the Vandagraph DIN22F/Kit Restricter Kit

Which includes:-

A-268 Tee Adaptor: B-50057 Flow-Thru Divertor

VP12 Tubing 12 inch: DM22M10 Male adapter

DIN22F High Pressure Restrictor,

Measurement of Oxygen using a plastic bag

Remove the Flow Thru Divertor if fitted and purge the demand valve. Place the sensor and D.V. in a a small plastic bag with small pin size holes. The sensor membrane should be located beside the demand valve mouthpiece. Ensure the neck of the bag is held closed. Purge the Demand valve for 2 seconds. The reading should rise. Purge again twice more, two seconds each and in between squeeze the gas out of the bag gently. A third final purge should give a steady reading.