



## Job Description Quick Ox Analyser

991202

06 September 2000

Requested By Vandagraph Date 1999	Position
Location	Telephone No.
<b>Description / Specification/Brief</b>	
A small hand held Oxygen analyser with the same quality and accuracy as the VN202 but smaller and quicker	
<b>Sampler Theory</b>	
The block terminates with a DIN fitting no screw thread on one end and an A Clamp inserted fitting on the other Fig 2 & 3. The block is held onto the cylinder by hand. The cylinder is opened as with the existing DIN Kit on the VN202. A sample of gas is trapped inside the block. The two small vents A & B allow gas to escape into the atmosphere and also the rear membrane of the sensor overcoming the problem of differential pressure of the sealed sensor box. The block is held onto the monitor base with the divertor thread. The vents exit from the block using the dimple shape male to fit into the female dimple on the base of the monitor. Fig 8,7 & 4. A third release hole is opposite the flow divertor to release pressure from the monitor.	
<b>Alarm system</b>	
A need appeared for simple low and/or high alarms These features are to be incorporated into the project if possible	
<b>Standards &amp; Statutory requirements appropriate to this design</b>	