

## COMPANY OPERATING PROCEDURE

### VN202 Kit - Complete VM3/COP/40.04

Date: 23 Sep. 03

Revision Date: 7-Apr-11

Issue: 1

#### Parts Required

Quantity	Description	Part No.	
1	VNR1 Large Carrying Case		
1	VN202 Analyser (auto OFF or Disabled)		
1	DIN KIT Complete		
1	Quick-Ox is alternative to DIN KIT		
1	Do' and Don'ts leaflet		
1	VN202 Operators Manual		
1	R-17 Van Sensor		
1	MN 1604 9v Battery or equivalent (inside Instrument)		
1	Leaflet (folded photograph outwards)		
1	Clear polythene bag		
1	Label		

Pre-despatch assembly VN202KIT:



VNR1 Large Carrying Case



DIN KIT Complete



VN202 Analyser-Auto OFF



VN202 Analyser-Auto OFF disabled

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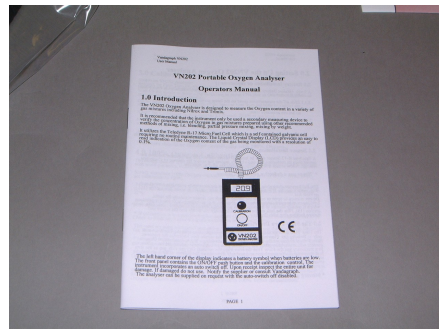
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Do's & Dont's Leaflets



VN202 Operators Manual



R-17VAN Sensor

#### Observation Points

- 1.0 Check for Auto Switch "OFF"
  - a) Yellow button signifies Auto Switch OFF
  - b) Green button signifies Non Auto Switch OFF
- 2.0 Add a label to the outside of the carrying case where Auto switch is disabled = "Auto switch OFF – disabled"
- 3.0 Add Analyser Label including serial number:- "VN202 Oxygen Analyser = VN xxxxx"
- 4.0 Add Sensor Serial Number:- "R-17Van Oxygen Sensor = xxxxxx"  
Add Label "VN202 KIT"
- 5.0 Switch the instrument on and check:
  - a) The L.C.D. activates
  - b) The reading is  $\pm 00.1$
  - c) The battery symbol is not showing

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- d) Check for good cable connections
- e) Gently stretch the cable to check that the readings remain steady.

#### Final Test on Analyser

- 1.0 Remove the cables from the bags of between 5 and 10 instruments. Switch on Analysers, watching for any warning signal on the L.C.D. The readings should not be more than  $\pm 0.3$
- 2.0 Fit a R-17Van Sensor to each instrument in turn, then turn the calibration knob to 20.9%, check that the cable is not faulty by gently stretching away from the instrument with no change in the reading, without touching the Jack plug (reading should not vary – except possibly very slightly with Air-flow)
- 3.0 The instrument should switch off after approximately 90 seconds (Unless it is an Auto Switch OFF disabled model identified by the Green On / Off button).
- 4.0 Keep the records list showing Serial numbers/"P"/Date of the Analysers that have passed. Failed instruments will have a note attached with the relevant reasons for failure.
- 5.0 During testing of the instruments, check for any black sealant on the cable or analyser and remove any found.
- 6.0 Repack the instrument with the cable to the side of the instrument (NOT underneath where it could damage labels).

#### Packaging

- 1.0 Place the DIN KIT with the specification text at the hinge of the box and the metal adapter closest to the opening, place the instrument with the lower end to the left hand side of the box, place the R-17 Van Sensor at the right hand side of the box (the bag will need to be folded back to fit.  
**NB Alternative to DIN KIT is Quick-Ox**
- 2.0 Each Yellow box must have a copy of the Do's and Don'ts, and the Operators Manual inserted. These documents must all be facing the same way when in the box.
- 3.0 Close the box making sure that nothing is jammed, insert the box into the plastic bag, insert it into the bag together with a folded leaflet, with the Analyser showing – with the bag opening to the right hand side with text in a readable position covering the rear of the box.

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- 4.0 With the front of the box showing the Logo in the upright position, place the serial numbers of Analyser then serial number of the Sensor below at the bottom left hand side of the bag, so that the Sensor number is visible when the boxes are stacked.
- 5.0 Add Label "VN202KIT"



- 6.0 Place 20 Kits back into the cardboard boxes with the records list stuck to the outside.