Design & Development Job Progress

Job Number 949110 VN202 Oxygen Analyser **Date :** 01/10/94

Job Application		
Quote Preparation N/A	**Preliminary Drawings** JSL	**Design Compliance** **JSL**
Purchasing **DL**	**Working Drawings** **JSL**	**Construction** Vandagraph

Februry 1994 Initial design circuits checked with S Hodkiss HME

March 1994 J. Melvin appointed to take rough design to pre-production

May 1994 Case chosen & basic electronic circuits established

May 1994 Design and first prototypes constructed

Battery checks as battery level drops
Waterproofing checks
Tests in use on cylinders of Nitrox

Final modifications to prototype. E.G setting limit of calibration control and time of switch off

July 1994 5 Pre-production units manufactured to test customer acceptability

Jack socket on R-17 rotates so new lockable cable obtained

October 1994 P. Ready sent a Din fiiting which gave the idea to the DIN Kit
Prototypes manufactured by Hydroparts and incorporated into VN202

December 1994 manufacture begins.
Instrument manufacturing procedures written.

Preliminary manual checked by K Gurr 23/11/94

Final Manual checked by Teledyne 31/7/95

09/02/96 SGS EMC tests

EMC protection added and new screened cable 09/02/96 SGS EMC tests

Oct 1996 problem with DPM. traced to production techniques and the over use of Black silicone rubber for sealing

Nov 98 Excessive battery drain eventually located to IC open contact. by S. Hardaker This problem was first attributed to poor NEC IC's as Phillips version cured the original problem.

QC24