

Procedure to convert AX300 oxygen analysers and MX300 oxygen monitors from analogue output to RS232 output.

Conversion of analyser/monitor part:

0111230 AX300: analogue output & 3.5 digit display to **0111232**

or

0111233 AX300: analogue output & 2.5 digit display to **0111234**

or

0111235 MX300: analogue output & 3.5 digit display to **0111237**

or

0111238 MX300: analogue output & 2.5 digit display to **0111239**

Parts list:

a) Analyser/monitor as above

b) 0131245 RS-232 transceiver

c) 0131246 100µF Tantalum capacitor, +/- 20%, 10V

If utilizing base models 0111230 and 0111235 check to see if display modification also needs to be carried out (converting from 3.5 digit to 2.5 digit).

Procedure:

- 1) Remove link JP3 and reposition to JP7
- 2) Install RS232 transceiver (part number 0131245) to position U6.
- 3) Remove existing capacitor C14 (22µF) and replace with 100µF capacitor (part number 0131246).
- 4) Test for stable RS232 output, ref. **VM3COP38.09**
- 5) Confirm required display format and carry out change procedure if necessary.
- 6) Remark PCB reference on the white square, **Assy C73884-**
- 7) Carry out standard QA test.

Cross reference table:

P/N	Description	Output		Digit display format		PCB ref.
		Analogue	RS232	3 1/2	2 1/2	
0111230	AX300 Oxygen Analyzer	✓		✓		E
0111232	AX300 Oxygen Analyzer		✓	✓		G
0111233	AX300 Oxygen Analyzer	✓			✓	F
0111234	AX300 Oxygen Analyzer		✓		✓	H
0111235	MX300 Oxygen Monitor	✓		✓		A
0111237	MX300 Oxygen Monitor		✓	✓		C
0111238	MX300 Oxygen Monitor	✓			✓	B
0111239	MX300 Oxygen Monitor		✓		✓	D