



OXIGRAF

Electrical Connections, X3000 Oxygen Sensor

Table 1

System Interface Connector

JP7 – 16 Pin Header, 3M 2516-6002UB or Molex 90130-1216,
Mates with Molex 90142-0016 housing with 16-90119-2110 terminals

PCB Top View (Molex designation in parenthesis)

+12 Volts	1 (15)	2 (16)	Ground
+5 Volts	3 (13)	4 (14)	Ground
Ground	5 (11)	6 (12)	+5 Volts
RS232 RXD	7 (9)	8 (10)	CO2 Analog Output
Analog Ground	9 (7)	10 (8)	O2 Analog Output
Reset_L	11 (5)	12 (6)	CMOS RXD or RS485+
CMOS CTS	13 (3)	14 (4)	CMOS TXD or RS485-
RS232 CTS	15 (1)	16 (2)	RS232 TXD

Table 2

Test Point Connector (PCB Top View)

JP6 -- 8 Pin Dual Row Header

Ground	1	2	Cell Heat, TEC, Laser Disable
Ground	3	4	Laser Modulation Test Point
Ground	5	6	Absorption Test Point
Ground	7	8	Scope Trigger Test Point

Table 3

Serial Port Configuration Header (PCB Top View)

JP3 -- 10 Pin 2mm Dual Row Header

1	2	RS232 Mode Select
3	4	CMOS Mode Select
5	6	CMOS Mode Select
7	8	RS485 Mode Select
9	10	RS485 Mode Select

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