

OPERATING PRINCIPLE: Galvanic Fuel Cell

PRIMARY SENSITIVITY: Partial Pressure O_2

RANGE: 0 - 100% O_2

OUTPUT (@20.9% O_2): 14 mV $\pm$ 20%

RESPONSE TIME (90%): 7 Sec (per ISO/DIS 7767)

TEMPERATURE COMPENSATED: Yes

ELECTRICAL CONNECTION: 4 way FCC-68 Tele Connector

MECHANICAL CONNECTION: 16MM dia x 1mm Pitch Thread

WARRANTY: 12 Months

MIN. REQUIRED CIRCUIT IMPEDANCE: 2k Ω hms

LINEARITY: $\pm$ 1% of full scale when calibrated @ 100% O_2

OPERATING TEMPERATURE: 0°C - 40°C

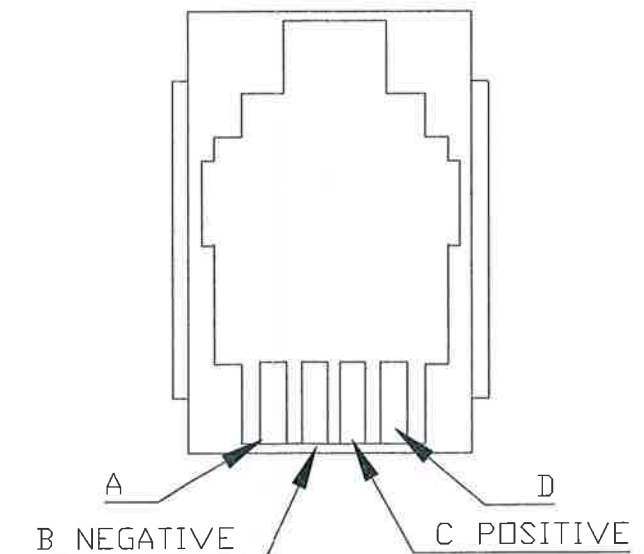
HUMIDITY RANGE: 0 - 100% Non-Condensing

EFFECT OF RELATIVE HUMIDITY: -0.03%, relative O_2 , per % of relative humidity at 25°C

ZERO VOLTAGE: <0.4mV in 100% N_2

AMBIENT PRESSURE: 600 - 1300 hPa

SPECIFICATIONS AT: STP



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DEC 12 2011
EFFECTIVE DATE
VALID ONLY IF THIS STAMP IS RED

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND PER ANSI Y14.5-1982				maxtec® SALT LAKE CITY, UTAH 84107		
XX = ±.01 XXX = ±.005 XXXX = ±.002		ANGLES ±1°30'		SPECIFICATION, MAX-49 OXYGEN SENSOR		
ORIGINATOR D. LARSEN		12/2/11				
Q.A. T. LAVERY	12/5/11	CHECKED C. CINDRICH	12/5/11	SIZE B	DWG. NO. R116P14	REV A
		ENG C. CINDRICH	12/5/11			
MFG E. MEADS		12/5/11		SCALE: 1:1		SHEET 1 OF 1
3		2		1		PROPRIETARY INFORMATION MAXTEC

REVISIONS			
REV.	DCO's RELATED TO THIS DRAWING	DATE	APPROVED
A	INITIAL RELEASE DCO # 3931	12/9/11	D. L.

R116P14 A