

INPUT : OXYGEN LAMBDA SENSOR



- Direct display of %O₂
- Input : Oxygen Lambda Sensor
- Outputs : 2~5 x 4~20 mA (or voltage) outputs
- Input/supply/outputs mutually isolated
- Supply : 85~265 V AC/DC or 20~35 V DC
- Calibration through keys - no trimpots
- 2 x 16 character LCD display
- RS485/MODBUS RTU option

SPECIFICATIONS All specifications at ambient of 25 °C, unless specified otherwise

INPUTS

Oxygen Lambda Sensor Zirconia probe
Range limits a) 0~20.9 %O₂
 b) -8.5mv ~ 3800mv

MONITORING

Sensor break protection User programmable

ACCURACY

% O₂ ± 0.5 %
Resolution 0.01 %O₂
Cold junction compensation Automatic (for thermocouples)

OUTPUTS

No. of outputs 2~5
Output types
Standard
 Current 0~20 mA, 4~20 mA, 20~0 mA, 20~4 mA (load : 0~500Ω)
 Voltage 0~1 V DC, 0~5 V DC, 0~10 V DC
Non - Standard Please specify
 Note : For EACH output, one of the Std or Non-std outputs MUST be specified

CALIBRATION

ZERO and SPAN through front panel keys for each input and output (no trimpots used)

ISOLATION

Between input, supply and any output, and between any two outputs
 a) 1000 V AC RMS, 50 hz / 1 minute
 b) 250 V AC RMS, 50 hz, continuous

POWER SUPPLY

Supply voltage 85~265 V AC, 50 hz OR 20~35 V DC

COMMUNICATION

Port RS485
Protocol Modbus RTU
Slave ID User programmable

ENCLOSURE

Material ABS plastic
Dimensions 100(W) x 75(H) x 110(D)
Mounting Snap on for 35 mm DIN rail to DIN 46277
Connection, single/stranded wires 2.5 mm², AWG 14
Protection IP20

TEMPERATURE, HUMIDITY

Ambient, storage -22 ~ +85 °C
Ambient, operation 0 ~ 50 °C
Relative humidity 0 ~ 95%

OTHER

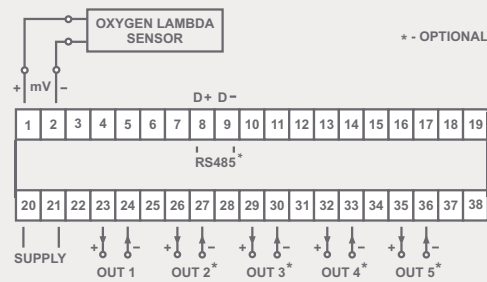
Programming With 3 keys & built-in display
Keypad Tactile, 3 keys
Display 2x16 character LCD display, backlit

PROGRAMMABLE PARAMETERS

Hi scale 20.90%
Lo scale 0.00%
Enable/Disable output Provided for each output
Sensor break Upscale, Downscale
Preset out Sensor break output value
Digital filter Provided, A~F

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CONNECTION DIAGRAM



ORDERING INFORMATION

2198	A	B	C	D	E	F	G
	A Output1 type	B Output2 type	C Output3 type	D Output4 type	E Output5 type	F Communication	G Supply voltage
	0 0/4~20 mA	0 None	0 None	0 None	0 None	0 Not Provided	0 85~265 V AC
	1 0~1 V DC	1 0/4~20 mA	1 0/4~20 mA	1 0/4~20 mA	1 0/4~20 mA	1 RS485	1 20~35 V DC
	2 0~5 V DC	2 0~1 V DC	2 0~1 V DC	2 0~1 V DC	2 0~1 V DC		
	3 0~10 V DC	3 0~5 V DC	3 0~5 V DC	3 0~5 V DC	3 0~5 V DC		
	4 Other *	4 0~10 V DC	4 0~10 V DC	4 0~10 V DC	4 0~10 V DC		
		5 Other *	5 Other *	5 Other *	5 Other *		

* Please specify



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