

- ✓ Range 0 -140nA, 0-600nA
- ✓ Two Analogue Outputs:
Current Output 4-20mA
Voltage Output 0-10V
- ✓ 0.1Hz Low Pass Filter
- ✓ For 35 mm DIN Rails
- ✓ Supply 24V DC

OC35-pO is an analogue Transmitter for industrial applications. It is designed for two terminal connection to pO₂ Probes in a range 0-140nA. The range can internally be increased to 600nA. The pO₂ probe is polarised with 0.6VDC.

The signal from the pO₂ probe is filtered in a LPF with 10 seconds time constant and converted into two independent process signals 0-10V and 4-20mA. The output signals are isolated from the probe and from the supply. Upon demand the output signals can be fine calibrated with potentiometers at the front. The standard current output 4-20mA can be ordered for 0-20mA.

The Accuracy is $\pm 0.2\%$ F.S. within the ambient temperature range of $23\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$.

OC35- pO Transmitter is supplied from 24VDC and is designed for 35mm DIN Rails. Each unit is delivered with 14 points calibration sheet.



SPECIFICATIONS

Input:	0-140nA (0-600nA selectable with internal jumper).
Input Impedance:	10 G Ω .
Voltage Output:	0 - 10V for 0-140nA (0-600nA) with maximum load < 10k Ω .
Current Output:	4-20mA for 0-140nA (0-600nA). Load 0 to 300 Ω .
Accuracy:	$\pm 0.2\%$ from Full Scale after 10 minutes warm-up time and $23\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$ ambient.
Linearity:	$\pm 0.2\%$ from Full Scale.
T/C:	Temperature Coefficient 50ppm/K.
Supply:	18 - 36VDC, 3W.
Cabinet:	25 x 60 x 70mm, weight 75g.
Terminals:	Screw terminals