

O₂ - Industrial Sensor / Type P-41AGW

KEY FEATURES

Sensor designed to detect trace amounts of oxygen, analog sensor output signal, temperature compensated signal, thread for easy gas adaptation, resistant to acid gases, hydrocarbons and hydrogen.

All characteristics are based on conditions at 25°C, 50% RH and 1013 hPa.

Measurement Range:	1 to 10,000 ppm O ₂ (whole sensor exposed to gas atmosphere)
Overload:	> 5 Vol.%O ₂
Sensor Lifetime:	1 year, depending on ambient humidity and O ₂ concentration
Mechanical Mating Connector:	fits for M16x1 DIN 13 or 5/8-24 UNEF
Electrical Connector:	3-Pin Molex® (analog sensor output signal)
Initial Output Signal Range:	0.45 - 0.7 mV @ 1 Vol.%O ₂
Response Times (in operation):	< 180 s from 10,000 ppm down to 1,000 ppm < 10 min from 1,000 ppm down to 250 ppm < 5 h from 10 ppm down to <1 ppm
Linearity Error:	± 2 % of signal
Pressure Dependency:	partial pressure
Operating Temperature:	0 to 50 °C
Temperature Compensation:	NTC on sensor PCB (sensor output signal is already temperature compensated)
Weight:	approximately 47 g
Material in Contact with Media:	PVDF, PTFE, stainless steel



STORAGE CONDITIONS IN UNOPENED ORIGINAL PACKAGE

Packaging:	sealed nitrogen flushed coated plastic bag
Temperature Range:	recommended: 5 to 25 °C maximum: 0 to 45 °C
Ambient Pressure:	600 to 1750 hPa
Humidity:	up to 100 % RH, non-condensing
Shelf Life:	< 3 months recommended

RELATED PRODUCTS

Product	Part-No.	Measurement Range	Output Signal	Other Specifics
P-41AGW	1620141613	1 to 10.000 ppm	0.45 - 0.7 mV/1 Vol.%O ₂	analog output signal, temperature compensated signal, thread, resistant to acid gases, hydrocarbons, hydrogen
P-41AGWD	1620141618	1 to 10.000 ppm	10000-13000 Digits/1 Vol.%O ₂	digital output signal (I ² C-interface), temperature compensated signal, thread, resistant to acid gases, hydrocarbons, hydrogen

We are here for you. Addresses and Contacts.

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