Dansensor®
ISM-3
OXYGEN MEASUREMENTS DOWN TO ONE PPM LEVEL

ISM-3 - Accurate and yet simple to use

Benefits

- High reliability and accuracy - better than ± 1% of reading

- Low maintenance demand

- Measuring range: 1 ppm - 100% (std. 0-20.9%)

- Self diagnostics - monitoring of vital parameters with alarm output

Features

- 2 oxygen concentration alarms

- Sample gas supply by gas pressure or internal pump (specific instrument versions)

- Different set-up options for adaptation to the analyzer application

- 0/4 - 20 mA as standard (optional: 0-10V if specified with the order)

Sensor module for O₂ monitoring: Process analyzer with low maintenance demand

If all you need is a readout of the oxygen concentration in a pure gas or gas mixture of inert gas or CO_2 then the Dansensor® ISM-3 is the answer. There is nothing complicated about it – just connect it to a pressurised tank or use the pump version of the Dansensor ISM-3 to draw a sample from your process.

The Dansensor ISM-3 is highly accurate and yet simple to use.

Typical applications for the Dansensor ISM-3 are measuring purity levels from gas generators or measurement of the residual oxygen level in nitrogen flushing processes.

However, if you are concerned about your gas consumption or if you need data logging capabilities, also remember to evaluate the Dansensor MAP Check 3 gas analyzer.

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Available Dansensor ISM-3 Versions

Item no.	Type	Pressure	Pump	Remote display	Built-in display	230 VAC	115 VAC
600286	ISM-3x	●			●	●	
600285	ISM-3i	●		●		●	
600287	ISM-3i, Pump		●	●		●	
600288	ISM-3x, Pump		●		●	●	
600281	ISM-3x	●			●		●
600280	ISM-3i	●		●			●
600282	ISM-3i, Pump		●	●			●
600283	ISM-3x, Pump		●		●		●

Optional sample kit for flow packaging machines (part number 270165)

Technical Specifications

Available configurations	Dansensor ISM-3i	Dansensor ISM-3x
Weight	3,7 kg	3,8 kg
Product size (HxWxD)	Cabinet: 125 x 185 x 125 mm Display: 96 x 96 x 20 mm 3 mm bezel for panel mounting	125 x 185 x 160 mm

Common technical specifications	
Sensor type	Ceramic, solid state O_2 sensor
Start up time	10 min. Full specs. after 20 min.
Calibration intervals	12 months
Accuracy	Better than ± 1% of the displayed value, ± 1 digit in calibrated range
Sensor flow	125 ml/min.
Alarms	Two O_2 concentration alarm settings, system fault alarm (bad gas flow, sensor error, etc.)
Alarm output	Max 48 V, 1 A (common, N.O. or N.C.)
Current output	0/4 - 20 mA as standard (optional: 0-10V if specified with the order), scale can be defined by operator, i.e. 0-1%, 0-100 ppm
Signal input	10 - 32 VDC external measuring control signal for start/stop of the analyzer
Power	230 VAC (115 VAC) ± 10%, 50 - 60 Hz
Cabinet	Stainless steel
Measuring range	0-100% (std. calibration 0-20.9%)

Specifications subject to change without notice. Further specifications are available in the User Guide.

PB-PTPS-Dansensor ISM-3-EN-8

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Gas-Detection
LAUPER INSTRUMENTS