

Oxygen monitor Monox 1000 SX.IS

Instrument Features

Enables monitoring of oxygen concentration nitrogen atmosphere in silo's and transportsystems of chemical powders without the necessity of gas sampling.

The Monox1000 is intrinsically safe and designed as a 4..20 mA transmitter type instrument with digital display for the measured concentration.

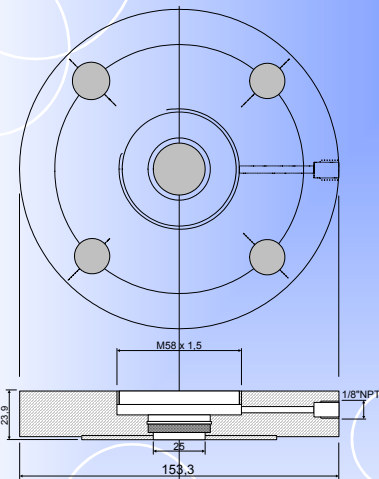
The oxygen sensor is built in a pressure proof stainless steel housing with teflon filter.

The transmitter housing is made out of aluminium, splash waterproof and HF-shielded.

De Monox1000 SX.IS is intrinsically safe according ATEX: EEx ib II C T4, II 2 G D IP6X with certificate number ISSeP 03ATEX140

TECHNICAL SPECIFICATIONS

measuring range	0 .. 25% O ₂
display	3 ½ digit LCD
accuracy	+/- 2%
repeatability	+/- 2% of measuring value
zerodrift	0,5 % / month
measuring principal	electrochemical
responstijd (T90)	< 10 s
sensor life	ca. 2 year
temperature range	-15 .. +40 grC
humidity range	15 .. 99 % R.H., non condensing
process pressure	+/- 100 mbar, compared to atmosphere
interfering gasses	strongly oxydising gasses, H ₂ (<-2%), CO (<-0.5%)
electrical power	24 VDC
output signal	2-draads, 4 .. 20 mA, linear
dimensions	180x206x80mm
weight	2,5 kg



Process Flange:

The standard applied flange for the process connection is a two inch type made out of stainless steel. Other dimensions are available on request.

The flange is provided with a 10 µm stainless steel sintered filter and has a calibration gas connection (1/8" NPT).

