

Sil02-LT Oxygen Analyser



The Sil02-LT Safety Integrity Level Oxygen Analyser is highly reliable for the measurement of Oxygen for safety critical applications.

The Ntron Sil02-LT Analyser is designed to measure Oxygen concentration on safety critical applications within the chemical, pharmaceutical and additive manufacturing industries. Applications include centrifuges, reactor vessels, mills, dryers, etc.

Applications

An Oxygen Analyser for use in:

- Glove box purge and leak detection
- Additive Manufacturing
- Gas Generation (Oxygen / Nitrogen)
- Pharmaceutical Industries
- Food and Beverage Industries
- Gas Generation Industries

Features

- Analyser and sensor meets the requirements of Sil02-LT
- Easy to read display of measured oxygen levels
- Push button calibration
- 2 Configurable alarm outputs
- Long life Zirconia sensor
- Analogue output with RS485 option included.
- Plug connector interface wiring terminals

Product Overview

The Sil02-LT Oxygen Analyser utilises two continuous self-monitoring microprocessors and the complete system (analyser and sensor) meets the requirements of IEC 61508 SIL2.

Integration & Calibration

Calibration of the Analyser is made easy with the user accessible Span push buttons.

The analyser offers the user an analogue output 4 to 20mA and 3 configurable alarm relays.

Configuration can be carried out via the RS232 connection with optional configuration software available if required.

SiI02-LT

Product specifications

Model

SiI02-LT Analyser

Mounting

Standard Din Rail (35x15mm)

Gas Type Measured

Oxygen

Measurement Range

0 - 25% Oxygen

Power Supply

19-30VDC / 18-28VAC

Electrical Connections

Screw Terminals - Quick Disconnect
2.5mm CSA Max

Dimensions

114.5mm H x 67mm W x 99mm D

Weight

300 g

Certification

CE, ATEX (EN 60079-0, EN 60079-11, EN 60079-26)
EMV 204/108/EG (EN 61000-6-2, EN 61000-6-4, EN61326-1
SIL2 to IEC 61508/61511