

ZD 21 Series

Oxygen Detector



ZD 21 Fixed Transmitter

- Extremely stable oxygen (O_2) sensor lasts 5 years
- Fast response
- No influences from pressure, humidity, or temperature
- No damage from carbon dioxide (CO_2)

GfG Instrumentation

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Low cost long-term solution

A particularly long sensor life makes the ZD 21 a low cost transmitter for oxygen monitoring. The expected lifetime of the sensor is 5 years in continuous operation. A robust aluminum casing protects the sensor and the circuitry from impacts, splashed water, and dirt.

Prevention of oxygen deficiency

The ZD 21 is an "intelligent" transmitter. The comprehensive electronics allow for easy operation and maintenance and also increase operational safety and accuracy. In less than 2 seconds the ZD 21 responds to an oxygen deficiency. This extremely short response time allows the time to take measures to prevent considerable damage.

Specifications

Gas

Oxygen (O₂)

Detection Range

0 to 25 % volume

Detection Principle

Zirconia (ZD)

Gas Supply

Diffusion

Humidity

0 to 99 % r.h. non-condensing

Pressure

920 to 1,100 hPA

Cable Gland

1/2" inch conduit

Lengths of Cable Towards Controller

Up to 300 m (3x0.75 mm cable)
More than 300 m (3x1.5 mm cable) shielded cable

Response Time

T₉₀ less than 2 seconds

Signal Output

0.2 to 1 mA or 4 to 20 mA

Power Supply

10 to 30 VDC / 3 W

Ambient Temperature

-13 to +122°F / -25 to +50°C

Expected Sensor Life

Greater than 5 years

Casing Protection

IP 54

Dimensions

3.94x3.94x2.24 inches (100x100x57 mm)
(HxWxD)

Weight

.812 lbs. / .37 kg

Specifications subject to change without notification

Distributed by:



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