

ZD21 Series

Transmitter for oxygen



Expected lifetime — 5 years

Extremely fast response time: $T_{90} < 2$ sec.

No influences from pressure, humidity, or temperature

No damage from CO_2

Low cost long-term solution

Particular long sensor life makes the ZD21 a low cost transmitter for oxygen monitoring. The expected lifetime for the sensor is 5 years in continuous operation. A robust aluminium casing protects the sensor and the circuitry from impacts, splash water and dirt.

Prevention of oxygen deficiency

The ZD21 is an "intelligent" transmitter. The comprehensive electronic allows for easy operation and maintenance and also increases the operational safety and accuracy. In less than 2 seconds the ZD21 responds to oxygen escaping from a leakage. This extremely short response time allows to take measures in time to prevent considerable damage.

ZD21

Technical Data

Gas

Oxygen (O₂)

Detection range

0 .. 25 Vol%

Detection principle

Zirconia (ZD)

Gas supply

Diffusion

Humidity

00 .. 99 % r.h.

Pressure

920 .. 1,100 hPa

Cable gland

PG 11

Lengths of cable towards controller

Up to 300 m (3x0,75 mm cable)
More than 300 m (3x1,5 mm cable) shielded cable
Low cost long-term solution
Particular long sensor life makes the ZD21 a low

Response time

T90 less than 2 sec.

Signal output

0,2 .. 1 mA or 4 .. 20 mA

Power supply

10 .. 32 VDC /3W

Ambient temperature

-25 .. +50 ° C

Expended sensor life

Ca. 5 years

Casing protection

IP 54

Dimensions

100 x 100 x 57 (WxHxD)

Weight

370 g

Specifications subject to change without notification

Distributed by:



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