ZD21 Series
Transmitter for oxygen

Expected lifetime — 5 years
Extremely fast response time: T90< 2 sec.
No influences from pressure, humidity, or temperature
No damage from CO₂

Worldwide manufacturer of gas detection solutions
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.

Technical Data

ZD21

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 ºC

Expented 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

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