



# Worldwide Supplier Of Gas Detection Solutions



- ✓ Expected lifetime: 5 years
- ✓ Extremely fast response time:  $t_{90} < 2$  sec.
- ✓ No influences from pressure, humidity or temperature
- ✓ No damage from CO<sub>2</sub>
- ✓ Maintenance free, service check every year
- ✓ Different detection ranges available

## 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 / surplus

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 changing oxygen levels. This extremely short response time allows to take measures in time to prevent considerable damage.

## ZD 21

## Technical Data

### Gas:

Oxygen (O<sub>2</sub>)

### Detection Range:

0 .. 25 Vol%

### Detection Principle:

Zirconia (ZD)

### Gas supply:

Diffusion

### Humidity:

00 .. 99 % r.h.

### Pressure:

920 .. 1100 hPA

### Cable gland:

PG 11

### Lengths of cable towards controller:

Up to 300 m (3x0,75 mm<sup>2</sup> cable)  
More than 300 m (3x1,5 mm<sup>2</sup> cable) shielded cable

### Response time:

$t_{90}$  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

### Expected sensor life:

approx. 5 years

### Casing protection:

IP 54

### Dimensions:

100 x 100 x 57mm (WxHxD)

### Weight:

370 g

### Please contact us:

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