



Worldwide Supplier Of Gas Detection Solutions

Transmitter EC25 Ex – for toxic gases and oxygen



- Ex-proof (intrinsically safe) according to CENELEC standard
- Digital display
- Sensor with long-term stability
- Highly selective
- Easy handling
- 0,2..1mA or 4..20 mA output signal
- Service lid for:
 - Measurement of output signal
 - Service switch for output signal suppression allows maintenance without alarm activation
 - Simple one man calibration on-site
- Plug-in sensor cell in stainless steel sleeve, replaceable without opening the casing

The Transmitter EC25 Ex is a robust gas transmitter for monitoring of oxygen and toxic gas concentrations in air. Through potentiometer and test sockets behind a service lid, the calibration can be exercised with little handling on-site. The Transmitter EC25 Ex is particularly used in places where an Ex-proof unit with a high selectivity is needed. It can be operated as a stand-alone unit or in combination with any GfG controller. Its important features are the easy handling and the long lifetime.

Technical Data

Measuring gas

Toxic gases and oxygen (O₂)

Measuring range

0..5 Vol% or 0..25 Vol%
TOX in ppm range

Gas supply

Diffusion or flow adapter

Humidity

20..95% r.H

Pressure

900..1100 hPa

Cable connection

PG9

Cable length to controller

<300m (3x0,75 mm² cable)
>300m (3x1,5 mm² cable) shielded cable

Response time

t₉₀ 10-300 seconds (depending on gas)

Output signal

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

Power supply

12..24 V

Ambient temperature

-35..+40°C

Sensor life

2 .. 4 years

Casing protection

IP 54

Dimensions

120 x 122 x 95 (WxHxD)

Weight

1500 g

EX-approval

EEx ia IIC T6 (with Ex-barrier)

Type certificate

DMT-BVS-No. 91C2033
Type: MWG 2500

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