**Emission monitors gas**

**GM35 In-Situ gas analyser**

***Description***

Simultaneous or as individual measurement: the GM35 gas analyser measures CO2, H2O and CO, or N2O, as well temperature and pressure – and it does this reliably, quickly, and economically. As an in-situ gas analyser, the GM35 detects these gas components directly in the gas stream without gas sampling. Reliability, precision, and short response time of the GM35 offer a key advantage for efficient control loops in all CO and CO2-generating processes.

***Specification***

Measured values CO, CO2, H2O, N2O

Performance-tested measured CO, CO2, H2O

Measurement principles: Gas filter correlation, Interference filter correlation

Measuring ranges

CO 0 ... 180 ppm / 0 ... 20,000 ppm

N2O 0 ... 60 ppm / 0 ... 2,500 ppm

CO2 0 ... 22.5 Vol.-% / 0 ... 100 Vol.-%

H2O 0 ... 25 Vol.-% / 0 ... 100 Vol.-%

Measuring ranges refer to 1 m measuring path

Measuring ranges depend on application and device version

Certified measuring ranges

CO 0 ... 75 mg/m³ / 0 ... 2,000 mg/m³

CO2 0 ... 15 Vol.-%

H2O 0 ... 25 Vol.-%

Cross-duct and GMP version are type approved

Zero point drift: ± 2 %: relative to measuring range end value

Reference point drift: ± 2 %: within the maintenance interval, relative to measuring range full scale

Ambient temperature: –40 °C ... +55 °C

Temperature change maximum: ±10 °C/h

Storage temperature: –40 °C ... +55 °C

Ambient humidity: ≤ 96 %

Relative humidity, bedewing of optical surfaces not permitted

Conformities :Approved for plants requiring approval

2001/80/EC (13. BImSchV)  
2000/76/EC (17. BImSchV)  
27.BImSchV  
TA-Luft (Prevention of Air Pollution)  
EN 15267  
EN 14181  
MCERTS  
  
Electrical safety CE

Enclosure rating: IP65 / NEMA 4x

Operation: Menu-driven operation via separate control unit

Model :Cross-duct version

Measuring probe version

Test functions: Automatic check cycle for zero and span point