**Emission monitors gas**

**GMS800 FIDOR total hydrocarbon analyser**

***Description:***

A member of the GMS800 analyser family, the GMS800 FIDOR extractive gas analyser is ideally suited for emission monitoring according to regulatory requirements (in waste incinerators, cement and/or power plants, for example). Based on the proven flame ionization detection principle, the GMS800 FIDOR measures total hydrocarbon concentrations in gases at both trace levels and high concentration levels. The GMS800 FIDOR is available in three versions: the GMS810 FIDOR with integrated control unit (BCU), the GMS811 FIDOR with separate control unit (BCU) and the GMS840 FIDOR with a space-saving wall housing. The housing makes integration into existing systems such as SICK's MCS100 E HW multi-component analyser very easy.

**Specification:**

Measured values: Corg

Performance-tested measurement: Corg

Gas flow rate: ≤ 120 l/h

Process temperature: ≤ +230 °C

Process pressure: –120 hPa ... 120 hPa

Process gas humidity: Non-condensing

Ambient temperature: +5 °C ... +40 °C

Storage temperature: –20 °C ... +70 °C

Ambient pressure: 900 hPa ... 1,100 hPa

Ambient humidity: ≤ 95 % Non-condensing

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