Technical specifications: **CC22 ex**

### Measuring principle
- Catalytic combustion (CC)

### Measuring gas supply
- Diffusion

### Measuring range and measuring gas
- Sensor dependent

### Update time
- 1s

### Readiness delay
- 5s plus 90s inflow phase of the sensors (heating up)

### Power supply
- **Operating voltage:**
  - 24V DC (12-30V DC allowable)

- **Power consumption**
  - typ. 40mA@24V; 50mA@18V; 70mA@12V
  - typ. 55mA@24V; 70mA@18V; 100mA@12V
  - 160mA (resettable)

### Climatic conditions
- **Short-term storage temperature:** -25...+60°C
- **Recommended storage temperature:** 0...+30°C
- **Operating temperature:** -20...+55°C (sensor dependent)
- **Humidity:** 5...90% r.h. (sensor dependent)
- **Air pressure:** 80...120kPa (sensor dependent)

### Display & controls
- **Status-LEDs:** three-coloured: green = operation mode, yellow = fault or service, red = alarm
- **AutoCal-& Reset-button:** for ZERO and SPAN adjustment as well as for acknowledgement of overrange

### Service connector
- **Design:** 3,5 mm stereo jack socket (internal)
- **Digital input:** for configuration and firmware update

### Signal output
- **or digital:** RS485; Half duplex; 9600/19200/38400 Baud; Modbus protocol, Slide switch for 120 Ω terminating resistor, (rated voltage <20 Vdc)

### Connection Cable
- **Cable glands:**
  - 2 x M16x1.5 (for cable diameter 4-8mm)
  - 4 double terminals (0.08 mm² to 2.5 mm² conductor cross-section)
- **4-wire e.g. control cable LiYCY or LiYY 4x 0.5/1.0/(1.5) mm² or bus cable Y(St)Y 2x2x1.0 mm² or 2x2x0.8 mm ²**

### Housing
- **Protection class:** IP65
- **Material:** Plastic PC
- **Dimensions:** 103 x 147 x 52 mm (W x H x D) with sensor
- **Weight:** 298g

### Approvals / Tests
- **Markings and ignition protection types:** II 3G Ex nA db IIC T4 Gc
- **Electromagnetic compatibility:**
  - DIN EN 50270:2015 Interference emission: Type class I
  - Interference immunity: Type class II
- **Manufacturer’s declaration:** Certificate GfG 19E01 X

* The bus cable Y(St)Y 2x2x0.8 is suitable for powering several bus transmitters via the same cable only for short cable runs. The possible distance depends on the number and local distribution of transmitters on the bus cable.