

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		
	with MK217-1:	typ. 40mA@24V;	50mA@18V; 70mA@12V
	with MK208-1:	typ. 55mA@24V;	70mA@18V; 100mA@12V
	Fuses:	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)	
	Connection terminals:	4 double terminals (0.08 mm ² to 2.5 mm ² conductor cross-section)	
	Cable:	4-wire e.g. control cable LiYCY or LiYY 4x 0.5/1.0/(1.5) mm ² or bus cable Y(St)Y 2x2x1.0 mm ² or 2x2x0.8 mm *	
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 -20°C ≤ Ta ≤ +55°C	
	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.