

# Technical specifications: CC28 / CC28 D / CC28 DA



<b>Measuring principle</b>	Catalytic combustion (CC): for flammable gases and vapors (up to 100%LEL)	
<b>Measuring gas supply</b>	Diffusion or via flow adapter (flow rate $0.5 \pm 0.1$ l/min)	
<b>Expected average life of the sensor</b>	sensor dependent	
<b>Response time</b>	sensor dependent	
<b>Update time</b>	1s	
<b>Alerting</b>	only with CC28 DA visual and audible (90dB @ 10cm)	
<b>Standby delay</b>	<120s (Self-tests and run-in phase of the sensors)	
<b>Power supply</b>	Supply voltage:	15...30V DC
	Maximum supply current:	150mA
	Maximum fault voltage:	250VAC bzw. 45VDC (see type label)
	Output current:	4...20mA (max. load 150 Ohm)
<b>Climatic conditions</b>	Short-term storage temperature:	-25...+60°C
	Recommended storage temperature:	0...+30°C
	Operational temperature (ambient):	-20...+50°C for use in Ex-hazardous areas -25...+55°C for use in non-Ex areas see Sensor specification in case of using of MK217
	Humidity range:	5...90% r.h.
	Air pressure range:	80...120kPa
	Flow rate:	0...6m/s (>3m/s with wind protection)
<b>Housing</b>	Stability:	Protect the casing against very hard impacts (> 4 J)
	Material:	anti-static plastic
	Dimensions:	100 x 167,5 x 55 mm (W x H x D) (H with sensor: 193 mm)
	Weight:	approx. 800 g (with Display)
	Protection class:	IP64
	Cable connection:	screwing M16x1,5 max. cross section 3 x 1,5 mm <sup>2</sup>
	Cable type and length:	LIYCY 3x0,75 mm <sup>2</sup> up to 200 m or LIYCY 3x1,5 mm <sup>2</sup> up to 1000 m
<b>Approvals / Tests</b>	Markings and ignition protection types:	⊕ II 2G Ex demb [ib] IIC T4 Gb -20°C ≤ Ta ≤ +50°C CE 0158
	EU Type Examination Certificate:	BVS 04 ATEX E 132 X (electrical Ex-Protection)
	EU Type Examination Certificate:	BVS 05 ATEX G 001 X (measuring function)
	Electromagnetic compability:	DIN EN 50270 Interference emission: Type class I Interference immunity: Type class II