Technical specifications: **G888C / G888M**



Measuring principle	Electrochemical (EC):for toxic gases and oxygenCatalytic combustion (CC):for flammable gases and vapors (up to 100%LEL)Infrared (IR):for flammable gases and vapors and carbon dioxide
Measuring ranges	sensor dependent
Response time	sensor dependent
Expected average life of the sensor	sensor dependent
Measuring gas supply	via diffusion mode
Display	illuminated LCD full graphics display, automatic size setting for optimum reading, displays the battery capacity, gas concentration as current value and peak value
Alerting	depending on the gas type 3 or 2 momentary value and 2 exposure level alarms, battery alarm with visual and acoustical signaling as well as display on the screen, color of the display depending on the alarm state (orange/red). Horn: 103 dB(A) (can be reduced to 90 dB(A))
Zero point and sensitivity adjustment	manual or automatic with an adjustment program, if necessary, test gas supply via the "SMART CAP" with 0.50.6slpm
Radio	optional 868MHz for EU; range approx. 700 m (free field) optional 915MHz for USA; range approx. 300 m (free field)
Power supply	NiMH battery module; 2,6V 2100mAh; rechargeable
Operating time (*1) without Radio: with Radio:	approx. 13h (EC+CC_{ps}+IR)approx. 9h (EC+CC+IR)approx. 21h (EC+CC_{ps})approx. 13h (EC+CC)approx. 65h (EC)approx. 23h (EC+IR)approx. 10h (EC+CC_{ps}+IR)approx. 7,5h (EC+CC+IR)approx. 14h (EC+CC_{ps})approx. 10h (EC+CC)approx. 26h (EC)approx. 15h (EC+IR)
Climatic conditions for operation: for storage:	-20+50°C 595%r.h. 70130kPa -25+55°C 595%r.h. 70130kPa (recommended 0+30°C)
Housing Material: Dimensions: Weight: Protection class:	rubberized polycarbonate 68 x 100 x 39 mm (W x H x D) up to 275 g (depending on sensor configuration) IP67
Approvals / Tests Markings and ignition protection types: EU Type Examination Certificate: IECEx Certificate of Conformity: Electromagnetic compability:	G888C I M2 Ex ia db I Mb I 2G Ex ia db IIC T4 Gb -20°C≤Ta≤+50°C G888M I M2 Ex ia db I Mb I 2G Ex ia db IIC T4 Gb -20°C≤Ta≤+50°C I M1 Ex ia da I Ma I I G Ex ia da IIC T4 Ga -20°C≤Ta≤+40°C BVS 15 ATEX E 064 X IECEX BVS 15.0056 X DIN EN 50270:2015 Interference emission: Type class I Interference immunity: Type class I

to (*1): The service life is indicated for new battery modules at operating temperatures of +20°C. It will be reduced by pressing buttons (display lighting & lamp) and by gas alarms. It is reduced with the age of the battery module, with the number of the charging / discharging cycles, by longer storage of the gas measurement device in the charging tray and the lazy battery effect. CC_{ps} = Catalytic sensor with activated PowerSave mode if a reading of 0% LEL is detected. This energy saving mode can only be activated for certain measuring ranges.

