

# Technical specifications: G888C / G888M



<b>Measuring principle</b>	Electrochemical (EC): for toxic gases and oxygen Catalytic combustion (CC): for flammable gases and vapors (up to 100%LEL) Infrared (IR): for flammable gases and vapors and carbon dioxide								
<b>Measuring ranges</b>	sensor dependent								
<b>Response time</b>	sensor dependent								
<b>Expected average life of the sensor</b>	sensor dependent								
<b>Measuring gas supply</b>	via diffusion mode								
<b>Display</b>	illuminated LCD full graphics display, automatic size setting for optimum reading, displays the battery capacity, gas concentration as current value and peak value								
<b>Alerting</b>	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))								
<b>Zero point and sensitivity adjustment</b>	manual or automatic with an adjustment program, if necessary, test gas supply via the "SMART CAP" with 0.5...0.6slpm								
<b>Radio</b>	optional 868MHz for EU; range approx. 700 m (free field) optional 915MHz for USA; range approx. 300 m (free field)								
<b>Power supply</b>	NiMH battery module; 2,6V 2100mAh; rechargeable								
<b>Operating time (*1)</b>	<table border="0"> <tr> <td>without Radio:</td> <td>approx. 13h (EC+CC<sub>ps</sub>+IR) approx. 21h (EC+CC<sub>ps</sub>)</td> <td>approx. 9h (EC+CC+IR) approx. 13h (EC+CC)</td> </tr> <tr> <td>with Radio:</td> <td>approx. 65h (EC) approx. 10h (EC+CC<sub>ps</sub>+IR) approx. 14h (EC+CC<sub>ps</sub>) approx. 26h (EC)</td> <td>approx. 23h (EC+IR) approx. 7,5h (EC+CC+IR) approx. 10h (EC+CC) approx. 15h (EC+IR)</td> </tr> </table>	without Radio:	approx. 13h (EC+CC <sub>ps</sub> +IR) approx. 21h (EC+CC <sub>ps</sub> )	approx. 9h (EC+CC+IR) approx. 13h (EC+CC)	with Radio:	approx. 65h (EC) approx. 10h (EC+CC <sub>ps</sub> +IR) approx. 14h (EC+CC <sub>ps</sub> ) approx. 26h (EC)	approx. 23h (EC+IR) approx. 7,5h (EC+CC+IR) approx. 10h (EC+CC) approx. 15h (EC+IR)		
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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<sub>ps</sub> = 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.