

# Technical specifications:

## Micro 5



<b>Measuring principle:</b>	Electrochemical (EC) for toxic gases, hydrogen and oxygen	
<b>Sample gas feed:</b>	via diffusion opening	
<b>Display:</b>	2 x 4 digit LC display Indicates battery capacity and gas concentrations with unit	
<b>Controls:</b>	2 operating buttons	
<b>Alerting:</b>	2 very bright alarm LEDs, audible alarm and vibration alarm Depending on the gas type, 3 or 2 instantaneous alarms, battery alarm with visual and audible signaling and indication in the display Horn: 103 dB(A) (can be reduced to 90 dB(A))	
<b>Zero point and sensitivity adjustment:</b>	manual or automatic with adjustment program if necessary test gas supply via the „SMART CAP“ with 0.5 to 0.6 slpm	
<b>Power supply:</b>	replaceable alkaline battery (1x AA) Replace only with battery listed in the operation manual!	
<b>Battery life:</b>	sensor dependent, per battery average: 9 months at 10 h per working day or 90 days 24/7	
<b>Climatic conditions:</b>	for operation:	-20 to +50 °C   5 to 95 % r. h.   70 to 130 kPa
	for storage:	-25 to +55 °C   5 to 95 % r. h.   70 to 130 kPa (recommended 0 to +30 °C)
<b>Housing:</b>	Material:	rubberized polycarbonate / plastic
	Dimensions:	49 x 84 x 32 mm (W x H x D)
	Weight:	115 g to 135 g (with sensors, battery and clip)
	Protection class:	IP54
<b>Approvals / Certifications:</b>	Markings and type of protection: G222E	
	⊕ I M1 Ex ia I Ma TaMAX	-20 °C ≤ Ta ≤ +55 °C
	⊕ II 1G Ex ia IIC T3 Ga	-20 °C ≤ Ta ≤ +55 °C
	⊕ II 1G Ex ia IIC T4 Ga	-20 °C ≤ Ta ≤ +45 °C
	EU type examination certificate:	BVS 18 ATEX E 027 X
	IECEX Certificate of Conformity:	IECEX BVS 18.0020 X
	Electromagnetic compatibility:	DIN EN 50270:2015 Interference emission: Type class I Interference immunity: Type class II