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KAN Komite Akreditasi Nasional No LPK : LK-234-IDN ISO 17025

ISO 17025 CERTIFIED

smart GasDetection Technologies GIG

Multi Gas Detector

Microtector III G999

Universal Worker Protection

Microtector III G999

Microtector III G999 mengkombinasikan kebutuhan pengukuran multi gas modern untuk melindungi pekerja dengan kemampuan untuk pengukuran di Confined Space dengan aman. Sebagai multi gas detector yang handal dan canggih, G999 dapat disesuaikan ke berbagai aplikasi dengan memasang kombinasi sensor yang sesuai.

Didesain untuk kondisi lapangan yang menantang

Microtector III G999 tersertifikasi untuk digunakan di Ex Zone 0 dan tahan terhadap debu dan air karena telah dilengkapi pelindung IP 67 dan cocok untuk penggunaan di area yang cukup menantang. Housing polikarbonat dengan lapisan berbahan karet melindungi alat dari benturan, namun tetap nyaman digunakan berkat desain yang praktis dan kokoh.

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TECHNICAL DATA: MICROTECTOR III G999

Measuring Principle:	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	Photoionization (PID) for volatile organic compounds (VOC)
Sample Gas Supply:	Diffusion mode with pump switched off or remote sample-draw during pump operation (sensor cover closed)			
Display:	Illuminated LCD full graphic display, automatic size adjustment for optimum reading, display of battery capacity, gas concentration as current value and peak value			
Alarm:	Depending on gas type 2 or 3 immediate exceeding gas alarm and 2 calculated exposure alarms, battery alarm with visual and audible signaling and display, color of display depending on alarm status (amber/red) Horn: 103 dB(A) (can be reduced to 90 dB(A))			
Zero Point and Sensitivity Adjustment:	Manual or automatic adjustment of the program if necessary Test gas supply via "SMART CAP" with 0.5...0.6slpm			
Radio:	Optional 868 MHz for EU; range approx. 700 m (free field) Optional 915 MHz for USA; range approx. 300 m (free field)			
Power Supply:	NiMH rechargeable battery module; 5.2V 2100 mAh; rechargeable			
Operating Time*	Without Additional Function:	With Radio:	With Pump:	With Radio and Pump:
*The operating time applies to new battery modules at operating temperatures of +20°C and without consideration of other energy consumers (lamps, alarms, etc.). Power Safe mode (PS) of the heat tinting sensors can optionally be switched off.	ca. 26h (EC+CC_{PS}+IR) ca. 42h (EC+CC_{PS}) ca. 52h (EC+PID) ca. 130h (EC) ca. 18h (EC+CC+IR) ca. 25h (EC+CC) ca. 30h (EC+PID+IR) ca. 47h (EC+IR)	ca. 20h (EC+CC_{PS}+IR) ca. 28h (EC+CC_{PS}) ca. 33h (EC+PID) ca. 52h (EC) ca. 15h (EC+CC+IR) ca. 19h (EC+CC) ca. 22h (EC+PID+IR) ca. 30h (EC+IR)	ca. 11h (EC+CC+IR+Pmp) ca. 13h (EC+CC+Pmp) ca. 14h (EC+PID+IR+Pmp) ca. 17h (EC+IR+Pmp)	ca. 10h (EC+CC+IR+Pmp) ca. 11h (EC+CC+Pmp) ca. 12h (EC+PID+IR+Pmp) ca. 14h (EC+IR+Pmp) PS: Power Save Mode

Climate Conditions:

For operation:	-20...+50°C	5...95 % r.F.	70...130 kPa
For storage:	-25...+55°C	5...95 % r.F.	70...130 kPa (recommended 0...+30°C)

Case:

Material:	Rubberized polycarbonate
Dimensions:	68 x 136 x 39 mm (W x H x D)
Weight:	Up to 395 g (depending on sensor configuration)
Protection Class:	IP67

Approvals / Tests:

Markings & Ignition protection types:	G999C	☒ I M2 Ex ia db I Mb	☒ II 2G Ex ia db IIC T4 Gb	-20°C ≤ Ta ≤ +50°C
	G999E	☒ I M1 Ex ia I Ma	☒ II 1G Ex ia IIC T4 Ga	-20°C ≤ Ta ≤ +50°C
	G999P	☒ I M1 Ex ia I Ma	☒ II 1G Ex ia IIC T4 Ga	-20°C ≤ Ta ≤ +50°C
EU Type Examination Certificate:	BVS 15 ATEX E 064 X			
IECEx Certificate of Conformity:	IECEx BVS 15.0056 X			
Electromagnetic compability:	DIN EN 50270:2015		Interference emission: Type class I Interference immunity: Type class II	
Intrinsic safety:	c-CSA-us (pending) Class I, Division 1, Groups A, B, C, and D T3 Ex ia IIC T3 Class I, Zone 0 AEx ia IIC T3 Ex db eb ia IIC T3 Gb -20 ≤ Ta ≤ +50 °C 08.1934905			
Standards:	IEC 60079-0:2011 (Ed.6) IEC 60079-7:2015 (Ed.5) IEC 60079-1:2014 (Ed.7) IEC 60079-11:2011 (Ed.6) CSA C22.2 No. 152-M1984 (pending) UL 913 ANSI / ISA-12.13.01-2000			
EMI / RFI Resistance:	EMC Directive 89 / 336 / EEC			

Jenis Industri :

- Industri Semen
- Pertambangan
- Industri Pupuk
- Industri Kimia
- Minyak dan Gas

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