

5채널 이동형 가스감지기

BM25

- ▷ Monitors 1-5 gases
- ▷ 손쉬운 센서 교체
- ▷ 170시간 사용
- ▷ AsH₃, CH₄, Cl₂, CO, CO₂, ETO, H₂, H₂S, HCL
HCN, LEL, NH₃, NO₂, NO, O₂, PH₃, SiH₄, SO₂



Specification

BM25				
Case Material	Impact resistant polycarbonate			
Dimensions	425 mm x 160 mm x 130 mm (16.7" x 6.3" x 5.1")			
Weight	6.8 kg (15 lbs)			
Sensors	Combustible Gas - Catalytic Diffusion Methane, Propane, Butane, Isobutane, LPG, Ethanol, Pentane - Infrared Oxygen and toxic gases - Electrochemical CO ₂ - Infrared Isobutylene - PID			
Measuring Ranges	Gas	Symbol	Range	Increments
	Combustible Gases	LEL	0-100% LEL	1%
	Oxygen	O ₂	0-30% of volume	0.10%
	Carbon Monoxide	CO	0-1,000 ppm	1 ppm
	Hydrogen Sulfide	H ₂ S	0-100 ppm	1 ppm
	Hydrogen	H ₂	0-2,000 ppm	1 ppm
	Sulfur Dioxide	SO ₂	0-30 ppm	0.1 ppm
	Chlorine	Cl ₂	0-10 ppm	0.1 ppm
	Nitrogen Dioxide	NO ₂	0-30 ppm	0.1 ppm
	Nitric Oxide	NO	0-300 ppm	1 ppm
	Hydrogen Chloride	HCl	0-30 ppm	0.1 ppm
	Hydrogen Cyanide	HCN	0-30 ppm	0.1 ppm
	Ammonia	NH ₃	0-1,000 ppm	1 ppm
	Phosphine	PH ₃	0-1 ppm	0.01 ppm
Arsine	AsH ₃	0-1 ppm	0.01 ppm	
Silane	SiH ₄	0-50 ppm	0.1 ppm	
Ethylene Oxide	C ₂ H ₄ O	0-30 ppm	0.1 ppm	
Carbon Dioxide	CO ₂	0-5% of volume	0.10%	
Display	Graphic liquid crystal display w/backlight			
Datalogging Capacity	700 hours w/5 gases			
Audible Alarm	103 dB @ 1 meter			
Visual Alarm	Ultra-bright LED beacon visible 360 degrees			
Operating Temperature Range	-20°C to +50°C typical			
Operating Humidity Range	15%-95% non-condensing (continuous) typical			
Power Source (Runtime)	NiMH; Run Time: 170 hours maximum operating time, 100 hours typical			
Recharge Time	4.5 hours typical			

Certifications

CSA - Class 1, Groups A,B,C,D T4; EX ia d IIC T4; C22.2 No. 152 (Excluding Aspirated and PID Configurations)
IECEX/ATEX EEx ia d I/IC; IP66 Equipment Group and Category: II 2G / I M2

Ordering Information

X	
4 - BM25	7 - BM25a
ATEX : II 1 G / EEx ia IIC T4 I M1 / EEx ia I or (when used with IR flameproof sensor) II 2 G / EEx ia d IIC T4 I M2 / EEx ia d I IECEx : Ex ia IIC T4 / Ex ia I Ex ia d IIC T4 / Ex ia I (when no IR sensor is used for BM25A) or (when used with IR flameproof sensor) Ex ia d IIC T4 / Ex ia d I	ATEX : II 1 G / EEx ia IIC T4 I M1 / EEx ia I or (when used with IR flameproof sensor) II 2 G / EEx ia d IIC T4 I M2 / EEx ia d I IECEx : Ex ia IIC T4 / Ex ia I Ex ia d IIC T4 / Ex ia I (when no IR sensor is used for BM25A) or (when used with IR flameproof sensor) Ex ia d IIC T4 / Ex ia d I CSA: Class I, Groups A,B,C,D T4; Ex ia d IIC T4; C22.2 No. 152 (excluding aspirated, XP IR and PID sensor configurations)

A-E (AVAILABLE SENSORS)	
Sensor Number	Sensor Number
CO	HCN
H2S	H2
O2	NO
NO2	ETO
SO2	CO/High
NH3	CO/H2S
Cl2	LEL
ClO2	CO2
PH3	SiH4
HCl	ASH3
IR CH4 (0-100% LEL, 5% Vol.)	IR CH4 (0-100% LEL, 4.4% Vol.)
IR Propane (0-100% LEL)	IR Butane (0-100% LEL)
IR Isobutane (0-100% LEL)	IR LPG (0-100% LEL)
IR Ethanol (0-100% LEL)	IR CH4 (0-100% Vol.)

F	
0 - Diffusion	1 - Pump

COMMON CONFIGURATIONS	
A-E (Sensor Configurations)	Description
65148X2-K12300	LEL, CO, H2S, O2
65148X2-K02300	LEL, H2S, O2
65148X2-K10300	LEL, CO, O2
65148X2-K00300	LEL, O2
65148X2-K03150	LEL, O2, CO/H2S, SO2
65148X2-K02350	LEL, H2S, O2, SO2
65148X2-K103Q0	LEL, CO, O2, CO2
65148X2-K67300	LEL, NH3, Cl2, O2
65148X2-K09130	LEL, PH3, CO/H2S, O2
65148X2-K12301	LEL, CO, H2S, O2, Pump
65148X2-K02301	LEL, CO, H2S, Pump

BM25 Base Part Number: 65148X2-ABCDEF, where X is approvals, A-E are sensor options and F is diffusion/pump option



BM25 Application

Stand alone

- Ultrabright flashing beacon
- Powerful audible alarm (103 dB @ 1m)
- Run-time greater than 100 hours

Alarm transfer and safety perimeter

Trickle charge for long term area monitoring

BM25 Features Diagram