

SenSmart 1300M/3300M/ 5300M 6300M

"The Art of Gas Detection" - Built with our Proven Millenium Gas Monitor







SenSmart 6300M



The SenSmart 1300M can directly connect to SenSmart 3000, SenSmart 5000 or SenSmart 6000 transmitters to have local display and other advanced functions from those transmitters. Please refer to SenSmart 3000, SenSmart 5000 or SenSmart 6000 brochures for more details.



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Diffusion "Smart" Sensor with Splash Guard and Cal Port

FEATURES HIGHLIGHT

- Virtually maintenance free infrared sensing technology
- Low long term cost of ownership, long operating life with 5 year warranty on transmitter
- Rugged stainless steel construction with fast response time
- Requires no routine calibration to ensure proper operation
- Fault indications for all failure states
- Patented self-compensating optics with no moving parts
- Heated optical chamber prevents condensation
- A multi-layered filtering system protects optics from dirt and water ingress

- Straight optical path eliminates the need for reflective surfaces, such as mirrors or beam splitters
- Performs well in the presence of hig concentrations or constant background levels of hydrocarbons and in oxygen depleted atmospheres
- Highly resistant to poisoning and etching
- Standard 4-20 mA output (source)

SPECIFICATIONS

	Diffusion - Optional sample draw (requires a minimum of 1 liter per minute flow rate)		
Detection Method	Output (analog): 4-20mA (Source Type), max 1000 0hm		
Response Time	T50 < 5 seconds, T90 < 10 seconds		
Construction	316 Stainless Steel		
Accuracy	+/- 3% LEL, 0 to 50% LEL (Lower Explosive Limit)		
Operating			
Temperature Rating	-40º to + 70º C at 0 to 99% RH (non-condensing)		
Operating Range	18 to 32 VDC measured at the detector head		
Max Current Draw	(at 24VDC): Average: 210mA Peak: 400mA		
Dimensions	5 lbs (2.3 Kg.)		
	C22.2 No. 152-M1984 (R1997)		
Approvals	CSA Certified Class 1, Division 1, Groups B, C and D		
	5 year limited warranty		
Warranty	For sensor warranty see sensor specifications sheet.		

ORDERING INFORMATION

Unit Status Chart

4-20 mA	Normal measuring mode
0.0 mA	Unit Fault
0.2 mA	Reference Channel Fault
0.4 mA	Analytical Channel Fault
0.8 mA	Unit Warm up
1.0 mA	Optics Fault
1.2 mA	Zero drift fault
1.6 mA	Calibration fault
2.0 mA	Unit spanning
2.2 mA	Unit zeroing
4.0 mA	Zero gas level
5.6 mA	10% LEL
8.0 mA	25% LEL
12 mA	50% LEL
16 mA	75% LEL
20 mA	100% LEL
20.1-23 mA	Over range (> 100 %)



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Available Gases

Acetone	Iso-Butane
Acetylene	Isopropryl Alcohol (IPA)
Butyl Acetate	Jet Fuel
Carbon Dioxide	JP4
Cyclopentane	JP5
DF 2000	JP8
Diesel	Methane
Dimethyl Ether	Methanol
Ethane	Methyl Amyl Ketone
Ethanol	n-Butane
Ethylene	Pentane
Gasoline	Propane
Green Earth	Propane with Methane rejection
Hexane	Propylene
Kerosene	Toluene



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