

E³Point[®] SPECIFICATIONS

Toxic and Combustible Gas Detector Standalone Platform (Single or Dual-Gas Monitoring)



General Specifications					
Uses	Wall or duct-mounted gas detector for monitoring carbon monoxide (CO), nitrogen dioxide (NO ₂), oxygen (O ₂), methane (CH ₄), hydrogen (H ₂), hydrogen sulphide (H ₂ S), and propane (C ₃ H ₈), installed as a standalone device with single-gas or dual-gas monitoring.				
Size	20.56 x 14.90 x 6.72cm (8.09 x 5.87 x 2.65") (H x W x D); Remote Sensor: 3.5 x 4.5 x 6.5 cm (1.36 x 1.75 x 2.56")				
Power Requirement	24 Vac nominal (17-27Vac), 50/60 Hz, 0.35 A; 24Vdc nominal (20-38Vdc); with remote sensor: 7 W max.				
Optional Main AC Input	120Vac nominal, ± 10% (with on-board transformer)				
Relay Output	2 DPDT relays, 5A @ 250Vac; 5A @ 30Vdc				
Communications	4-20mA				
Operating Environment	Commercial, Indoor, Extreme Temperature Environments				
Operating Temperature	H ₂ S, NO ₂ , O ₂ , CH ₄ , H ₂ , C ₃ H ₈ : -40 to 50°C (-40 to 122°F) CO: -20 to 50°C (-4 to 122°F)				
Sensor Type	Electrochemical cell (CO, NO ₂ , H ₂ S, O ₂); catalytic (CH ₄ , H ₂ , C ₃ H ₈ ,)				
Response Time	T90 < 50 seconds With ECLAB T90 < 240 seconds				
Display	8 character, 2 line backlit LCD				
Visual Indicators	Green LED: Power Amber LED 1: Alarm/Fault Amber LED 2: Alarm/Fault				
Audible Alarm	>85 dBA at 3 m (10 ft)				
Accuracy	± 3% of full scale @ 25°C				
Detection Ranges and Alarm Levels					
Gas	Resolution	Range	Alarm A	Alarm B	Alarm C
CO (Carbon monoxide)	1 ppm	0-250 ppm	25 ppm	100 ppm	225 ppm
H ₂ S (Hydrogen sulfide)	0.1 ppm	0-50 ppm	10 ppm	15 ppm	20 ppm
NO ₂ (Nitrogen dioxide)	0.1 ppm	0-10 ppm	0.7 ppm	2 ppm	9 ppm
O ₂ (Oxygen)	0.1% vol.	0-25% vol.	19.5% vol.	22% vol.	22.5% vol.
H ₂ (Hydrogen)	0.5% LEL	0-100% LEL	25% LEL	50% LEL	90% LEL
CH ₄ (Methane)	0.5% LEL	0-100% LEL	25% LEL	50% LEL	90% LEL
C ₃ H ₈ (Propane)	0.5% LEL	0-100% LEL	25% LEL	50% LEL	90% LEL
Enclosure					
	Polycarbonate				
Certification					
	CSA C22.2 No. 61010-1, UL 61010-1; FCC part 15; ICES-003 issue 4; ISO 9001-2008				

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