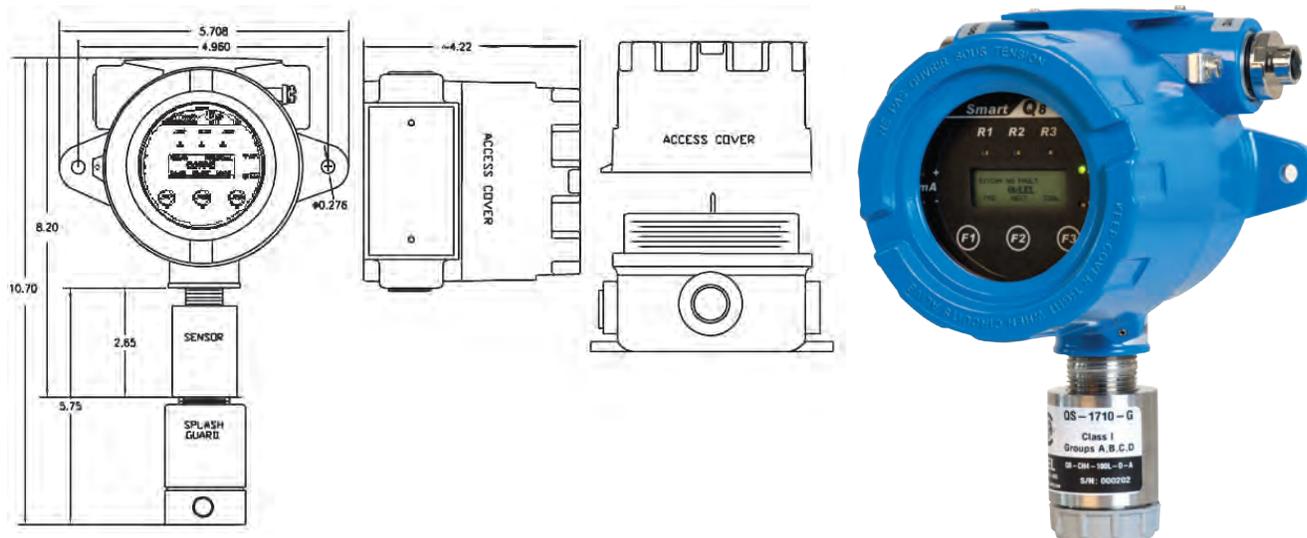




# QEL Q8 Series Gas Detectors



## ELECTRICAL AND MECHANICAL SPECIFICATIONS

<p><b>Input Power:</b> 24 VDC nominal, range 18 to 30 VDC, 0.3 A DC Total Max. 24 VAC nominal, range 15 to 24 VAC, 0.3 A AC Total Max. (AC must not be grounded)</p> <p><b>Fuse:</b> F2 on Main Board: Polyswitch 750 mA Polyswitch device resets after the fault is cleared and power to the circuit is removed</p> <p><b>Sensor:</b> Combustible gases: Catalytic Toxic gases and Oxygen: Electrochemical</p> <p><b>Panel Indicators:</b> 5 Status LED's  <ul style="list-style-type: none"> <li>▶ RS-485 TX Status (Green)</li> <li>▶ RS-485 RX Status (Green)</li> <li>▶ Relay 1 Status (Red)</li> <li>▶ Relay 2 Status (Red)</li> <li>▶ Relay 2 Status (Red)</li> </ul> </p> <p><b>Display:</b> LCD graphic display c/w backlight</p> <p><b>Keypad:</b> 3 magnetic switches: F1, F2, F3</p> <p><b>Relays:</b> 3 Relays SPDT, Dry contacts  <ul style="list-style-type: none"> <li>▶ 1.0 A maximum at 30 VDC (resistive load)</li> <li>▶ 0.3 A maximum at 125 VAC (resistive load)</li> </ul> </p>	<p><b>Enclosure:</b> Aluminium Pressure Die-Casting Entries: 2 X ¾ NPT</p> <p><b>Certificate:</b> FM 3615, CSA C22.2 No.30 Class I, Groups A, B, C, D, Class II, Groups E, F, G; Class III Enclosure Type: 4X, Division 1 Division 2 ANSI/ISA 12.22.01 Class I, Zone 1 AEx d II C, IP66 Zone 1 CSA E60079-1 Ex d II C, Class I, Zone 1, IP66</p> <p><b>Operating Temperature:</b> -40° C to 70° C, depends on sensor specification</p> <p><b>Ambient Humidity:</b> 5% to 95% RH (non-condensing)</p> <p><b>Storage Temperature:</b> 0° C to 40° C, depends on sensor specification</p> <p><b>Size:</b> 145 mm X 190 mm X 130 mm</p> <p><b>Weight:</b> Less than 4 lbs</p>
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*Ensure a complete understanding of all applicable Federal, State, Provincial and Local Health and Safety laws and regulations before using these products.*



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*This brochure includes general specifications which are subject to change.*