



MODEL FP-524C

COMBUSTIBLE GAS SENSOR

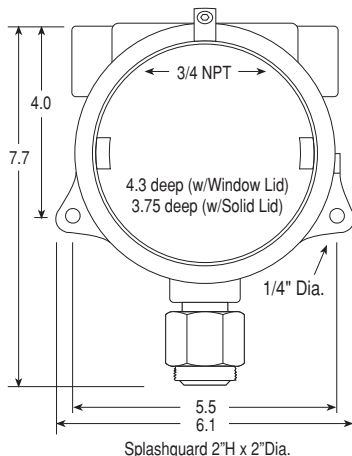
ISO 9001:2008
Certified

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SPECIFICATIONS

- Sensor Type**
Matched-pair catalytic bead
- Measurement Range**
0-100% LEL (lower explosive limit)
Combustible Gas
- Accuracy/Repeatability**
±3% 0-50% LEL
±5% 50-100% LEL
- Response/Clearing Time**
T50 <10 seconds
T90 <30 seconds
- Zero Drift**
<5% per year
- Operating Temperature Range**
-40°F to +167°F; -40°C to +75°C
- Operating Humidity Range**
0-99% RH non-condensing
- Outputs**
Linear 4-20 mA DC
- Input Voltage**
11.5-28 VDC
- Power Consumption**
1.9 watts @ 24 VDC
- Electrical Classification**
Explosion proof
Class I, Division 1, Groups B, C, D
- Safety Approval**
CSA and UL Approved
- Sensor Life/Warranty**
Sensor: 2 year warranty
Transmitter: 2 year warranty

DIMENSIONS



Matched Pair Catalytic Bead

MicroSafe™ Intelligent Sensor

DESCRIPTION

Detcon Model FP-524C sensors are non-intrusive “Smart” sensors designed to detect and monitor combustible gas in air over the range of 0-100% LEL (lower explosive limit). The sensor assembly consists of a matched-pair catalytic bead sensor in a stainless steel housing that includes a splashguard with integral cal port, a plug-in control transmitter circuit, a base connector board and an explosion proof enclosure.



FEATURES

- ▶ CSA and UL Approved: Class I, Division 1, Groups B, C, & D
- ▶ Simple menu driven calibration - takes less than 3 minutes
- ▶ Backlit LCD and LED indicators for FAULT and CAL status
- ▶ Plug-in field-replaceable transmitter and sensor
- ▶ Long sensor life expectancy: averaging longer than five years in harsh offshore drilling/production environment
- ▶ High resistance to poisons such as sulfides, chlorides, silicon-based contaminants etc.
- ▶ Low power consumption (less than 3.5 watts versus 8+ watts on competitive brands)

ORDER GUIDE

- PN 965-525420-100 Model FP-524C in Aluminum Junction Box
- PN 965-52542B-100 Model FP-524C-316SS in Stainless Steel Junction Box

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