



Detcon Series 500IS

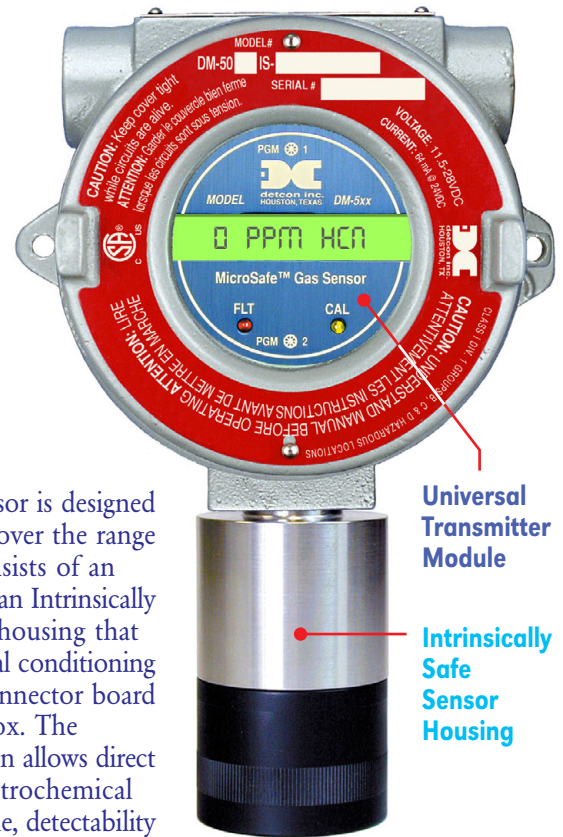
ISO 9001: 2000
Certified

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Model DM-500IS-HCN Hydrogen Cyanide Sensor

Electrochemical Fuel Cell
(order by part number 965-131380-030)



Specifications

Sensor Type

Electrochemical Fuel Cell

Measurement Range

0-30 ppm Hydrogen Cyanide
Other ranges available

Repeatability

±2% FS

Response/Clearing Time

T90 <40 seconds

Span Drift

<5% signal loss per month

Operating Temperature Range

-40°C to +40°C; -40°F to +104°F

Operating Humidity Range

5-95% RH non-condensing

Output

Linear 4-20 mA DC

Input Voltage

11.5-28 VDC

Power Consumption

1.6 watts @ 24 VDC

Electrical Classification

Explosion proof, Class 1, Div. 1, Groups B, C, D

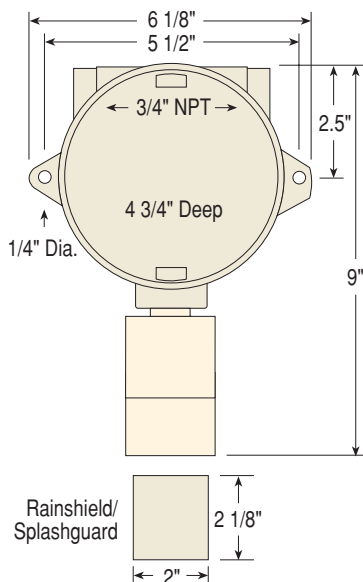
Sensor Life/Warranty

Sensor: 2 year warranty
Transmitter: 2 year warranty

Safety Approvals

CSA and UL Approved

Dimensions



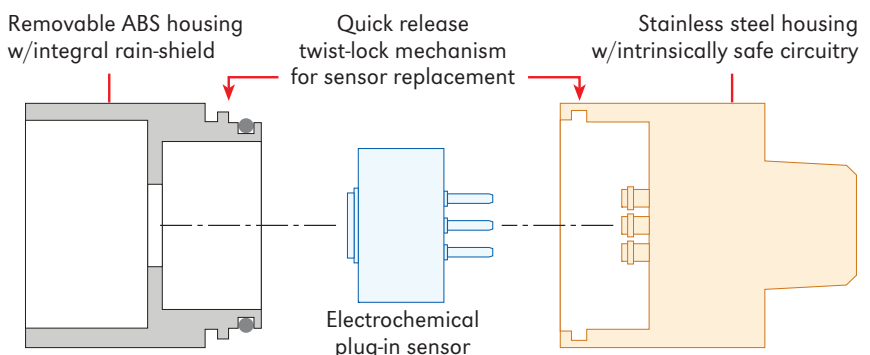
MicroSafe™ Intelligent Sensor

Description

Detcon Model DM-500IS-HCN sensor is designed to detect and monitor HCN in air over the range 0-30 ppm. The sensor assembly consists of an electrochemical fuel cell mounted in an Intrinsically Safe stainless steel and ABS plastic housing that includes an integral rain-shield, a signal conditioning control transmitter circuit, a base connector board and an explosion proof junction box. The Intrinsically Safe sensor housing design allows direct contact of the target gas to the electrochemical sensor, thus maximizing response time, detectability and repeatability. And because the Intrinsically Safe housing design does not use a stainless steel flame arrestor, it eliminates inaccurate readings due to target gas absorption.

Features

- CSA and UL Approved: Class 1, Div. 1, Groups B, C, & D
- 4-20 mA output
- Simple menu driven calibration - takes less than 3 minutes
- Backlit LCD, and LED indicators for Fault, and Cal status
- Universal plug-in transmitter
- Field replaceable electrochemical plug-in sensor with twist-lock sensor housing



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