

S4S GUARDIAN® - POINT XDI

Hazardous Area Sensor / Junction Box Assembly

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World Class Products

Specification Sheet
ref C744Cv3

Sensor Features:

- Explosion proof
- Rugged and reliable
- CANbus / 4~20mA outputs
- Optional 2 alarm relays plus fault relay or 3 alarm relays
- Wide range of gas types / sensors
- Addressable or stand alone
- Hyper terminal communications / RS232 - live data and set up with 232 adapter
- One man calibration
- Data logging



S4S Guardian® - Point XDI-F1
+ sensor universal fitting

The S4S Guardian® - Point XDI-F1 Gas Sensor is capable of utilising a wide range of sensor cell types offering an unmatched number of gases that may be monitored. Standard 4~20mA signaling with CANbus address enables the sensors to be networked via the S4S Guardian® Plus control system or customer preferred monitoring systems.

TECHNICAL DATA

Certification

- Explosion proof ATEX IECEx
- 112G Exd IIC T6-T3 Gb
- 112D Extb IIIC T85°C Db

Power Supply

- 15 to 30vDC 24v nominal

Logging

- Addressable sensors only
- Intervals - one minute to one hour
- Storage - 2,880 readings

Outputs

- 3 wire 4~20mA / 4 wire CANbus
- Optional relays -
Low alarm S.P.C.O
High alarm S.P.C.O
Fault alarm S.P.C.O
- Inhibit option during servicing
- Rating 0.5A @30vDC

Sensor Type - F1

Infra Red, Electrochemical, Catalytic, Semiconductor, PID

Gas Type / Range

Flammable gases - LEL / %Vol

Toxic gases - ppm/ppb

Oxygen % vol

Sensor Material

Stainless steel 316S16

Junction Box

Housing Material

Copper free aluminium alloy, optional stainless steel

Finish

Chemical resistant epoxy paint Optional
- Marine grade finish

Ingress Protection

IP63 + water shield IP64

Cable Entry

2 x M20 - 1.5 pitch - alternatives 25mm
- 3/4 NPT

Weight

1.6kg

Temperature

-15°C to +55°C - safe area use. For hazardous area use see temperature ranges on C1227
(Ex certification summary)

Humidity

0 to 99% RH non-condensing

Accessories

Collector Cone & Universal Fitting
Universal fitting (Test Gas Applicator/
Spray Deflector)
Water Shield - stainless steel
Flow Block - nylatron
Flow Block - stainless steel
Duct Mount Kit
Detector Head Weather Shield
F1 Sensor Thermal Jacket

NOTE: This datasheet is non-contractual

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