

XDI-F1

HAZARDOUS AREA GAS DETECTOR

Remote Fixed Gas Detection

Specification Sheet
ref C744Cv3

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



The 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 GDS Combi control system or customer preferred monitoring systems.

TECHNICAL DATA

Certification

- Explosion proof ATEX IECEx
- II 2G Ex db IIC T6...T4 Gb
- II 2D Ex tb IIIC T85°C...T135°C Db

Power Supply

18 to 35vDC 24v nominal

Logging

- Addressable sensors only
- Intervals – variable time, rollover/stop
- 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

Housing Material

Copper free aluminium alloy, optional stainless steel

Finish

Chemical resistant epoxy paint
RAL 9003 signal white
Optional – Marine grade finish

Sensor Material

Stainless steel 316S16

Ingress Protection

IP64 + water shield IP65
with hydrophobic screen IP66

Cable Entry

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

Weight

1.6kg

Temperature

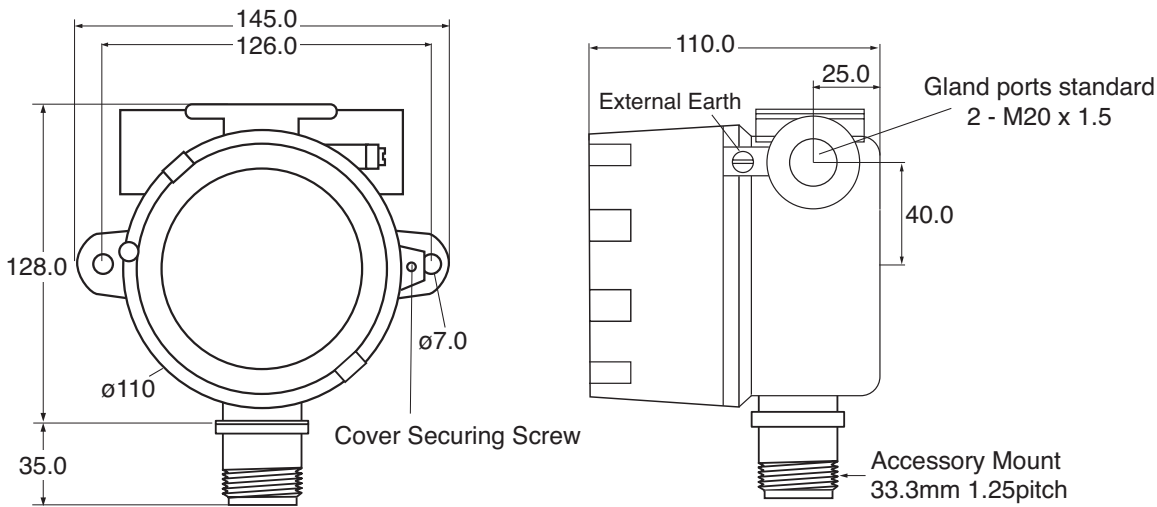
–15°C to +55°C – safe area use
For hazardous area use see temperature ranges on
C1227 (Ex certification summary)

Humidity

5 to 95% RH non-condensing

EMC

EN 50270



Sensor Type

Infra Red, Electrochemical, Catalytic, Semiconductor, PID

Gas Type / Range

Flammable gases – LEL / %Vol
Toxic gases – ppm/ppb
Oxygen % vol

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

