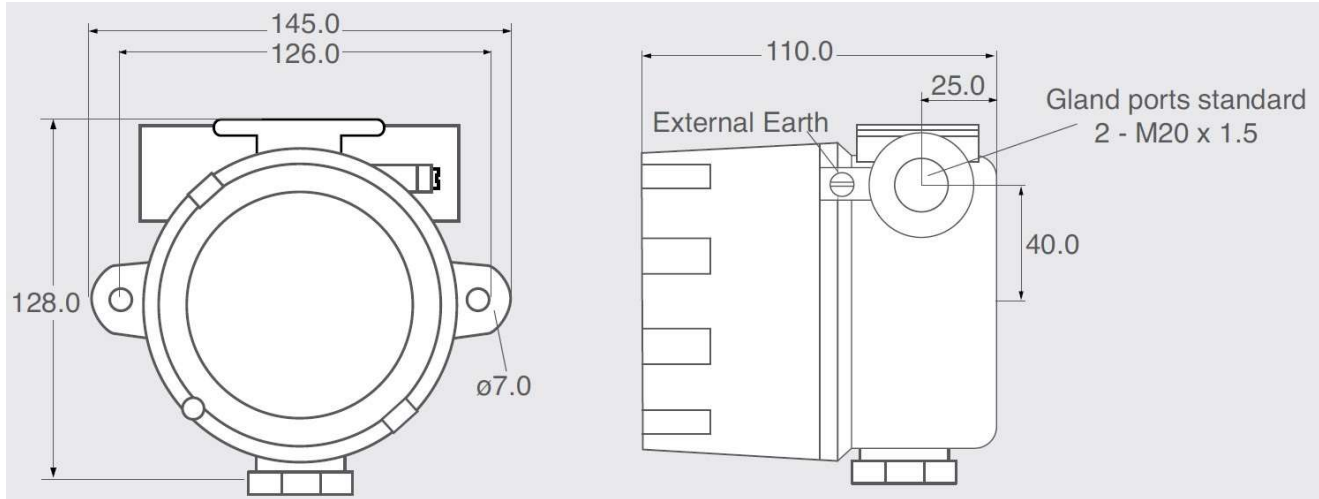


# XDI/XDIwin-F6

HAZARDOUS AREA GAS DETECTOR



## ATEX Certification

**Notified Body:**  
*Examination Certificate*

FTZU Physical Testing Institute  
Ostarva-Radvanice, Czech Republic

**Certification No:**

FTZU 10ATEX0164X

**Notified Body:**  
*QAN*

CSA Group Netherlands B.V.  
Utrechtseweg 310  
6812 AR, Arnhem, Netherlands

**QA Notification:**

SIRA 00ATEX M071

**Tested in compliance with:**

EN 60079-0:2018

EN 60079-1:2014

EN 60079-31:2014

**Marking:**

 II 2GD

Ex db IIC T6 Gb -20°C≤Ta≤+50°C  
Ex tb IIIC T85°C Db

Ex db IIC T5 Gb -20°C≤Ta≤+65°C  
Ex tb IIIC T100°C Db

**Special conditions of safe use:**

- For information on the dimensions of the flameproof joints the manufacturer should be contacted
- The measuring function according to Annex II paragraph 1.5.5 of the Directive 2014/34/EU is not an matter of this EU-Type Examination

**Pressure Range:**

Atmospheric ±10%

**Power Supply:**

15 to 30V DC 24V nominal

**IP Rating:**

IP63 + water shield IP64

**Power Rating:**

3.0W

**Entries:**

2 - 20mm 1.5 pitch - others available

**Fixing:**

Two M7 127mm CRS

**Weight:**

XDI - 1.2Kg  
XDIwin - 1.5Kg

# XDI/XDIwin-F6

## HAZARDOUS AREA GAS DETECTOR

- 1. CAUTION:** The installation of this product must be carried out by suitably trained and qualified personnel only. We will not accept responsibility for any damage, injury or any form of loss due to products not being installed or used in strict accordance with these instructions. If in doubt, please contact GDS Technologies Ltd, Technical department [admin@gds-technologies.co.uk](mailto:admin@gds-technologies.co.uk)
- 2. Installation:** The enclosure must be fixed into position using the external fixing lugs provided. Under no circumstances must the enclosure be supported by way of any cable entry device. It is important that the cover is securely fitted to the body of the enclosure. The cover locking screw must be fully tightened down.
- 3. T Ratings:** The ambient temperature into which the equipment is being installed must comply with the marking on the label.
- 4. Earth Connection:** The enclosure is fitted with an M5 external earth connection; a suitable ring type terminal lug must be used to secure the earth conductor. The F6 sensor body mounting thread must be fully engaged into the junction box.
- 5. Maintenance:** Periodic inspection of this equipment is necessary; refer to BS EN 60079-17 for guidance. Inspect the sinter disc at 6 monthly intervals to ensure it is clear and dust free. For further equipment maintenance please contact GDS Technologies Ltd, Field Service department [field.service@gds-technologies.co.uk](mailto:field.service@gds-technologies.co.uk)
- The equipment is intended for use under normal industrial conditions and must not be installed in an area where extreme vibration may occur.
- This apparatus has been produced for use in a potentially explosive atmosphere. Before it is installed you must be aware of the requirements of BS EN IEC 60079-0, BS EN 60079-1 and BS EN 60079-31.
- 8. Sensor Type:** Catalytic.
- 9. Gas Type / Range:** Flammable - LEL.
- All unused terminals must be fully tightened down prior to making live.
- Do not open the Junction Box or remove the F6 sensor when a hazardous gas atmosphere is present.
- Before removing the F6 sensor disconnect the power to the apparatus and wait 3 minutes to allow the sensor elements to cool.
- The F6 sensor must be fully screwed into the body and firmly tightened.
- All cable entries should be made using suitably certified glands (See notes 1 & 2). Maximum of one thread adaptor per cable gland entry.
- All unused gland ports should be sealed using appropriate certified blanking plugs. Do not use thread adaptors with blanking plugs.
- To maintain the certification, only manufacturers supplied spare parts should be used.
- 17. Accessories**
  - 003-062 Collector Cone & Universal Fitting
  - 003-064 Universal fitting (Test Gas Applicator/ Spray Deflector)
  - 003-066 Flow Block – Nylatron
  - 003-090 Duct Mount Kit
  - 003-083 Detector Head Weather Shield

Contact GDS Technologies Sales department for tool and accessory prices [sales@gds-technologies.co.uk](mailto:sales@gds-technologies.co.uk)

GDS Technologies Ltd declares under our sole responsibility that the product conforms to the relevant provisions of directive 2014/34/EU and UKSI/2016/1107

THIS IS A CERTIFIED PRODUCT – NO MODIFICATIONS OR CHANGES TO THIS PRODUCT ARE ALLOWED

E: [sales@gds-technologies.co.uk](mailto:sales@gds-technologies.co.uk) T: +44 (0)113 286 0166

