

# XDIwin-PID

## HAZARDOUS AREA GAS DETECTOR

Remote Fixed Gas Detection offering local control and display

Specification Sheet  
ref C1507-B v.5

- ATEX/IECEEx explosion proof
- Robust and weatherproof
- CANbus / 4~20mA output
- Addressable or stand alone
- 3 alarm points
- 2 alarm relays plus fault relay
- Data logging
- Back lit alpha numeric full status display
- Adjustment non intrusive magnets/manual/hyperterminal



The XDIwin-PID (photoionization detector) is used to measure volatile organic compounds in the low ranges of 0 to 50ppm and 0 to 1000ppm. The unit is fully certified as a flameproof fixed monitor for use in hazardous areas. 4~20mA signaling with CANbus address enables the sensors to be networked via the GDS Combi control system or customer preferred monitoring systems.

### Certification

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

### Power Supply

18 to 35V DC – 24v DC nominal

### Outputs

3 wire analog 4~20mA  
4 wire CANbus  
Relays Low alarm S.P.C.O  
High alarm S.P.C.O  
Fault alarm S.P.C.O  
Rating 3A @30vDC  
Inhibit option during servicing

### Logging

Intervals – variable time  
Roll over/stop  
Storage – 2,880 readings

### Display

2 line alpha numeric back lit status display:  
gas type, concentration units, alarm levels, alarm status (low/  
high/over range/fault), sensor ID, Inhibit

### Indicators

Alarm – Red LED  
Fault – Amber LED – (Flashing when in inhibit)

### Housing Material

Copper free aluminium alloy, optional stainless steel

### Finish

Chemical resistant epoxy paint – RAL 9003 Signal White  
Optional – Marine grade finish

### Ingress Protection

IP64 + water shield IP65  
with hydrophobic screen IP66

### Cable Entry

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

### Weight

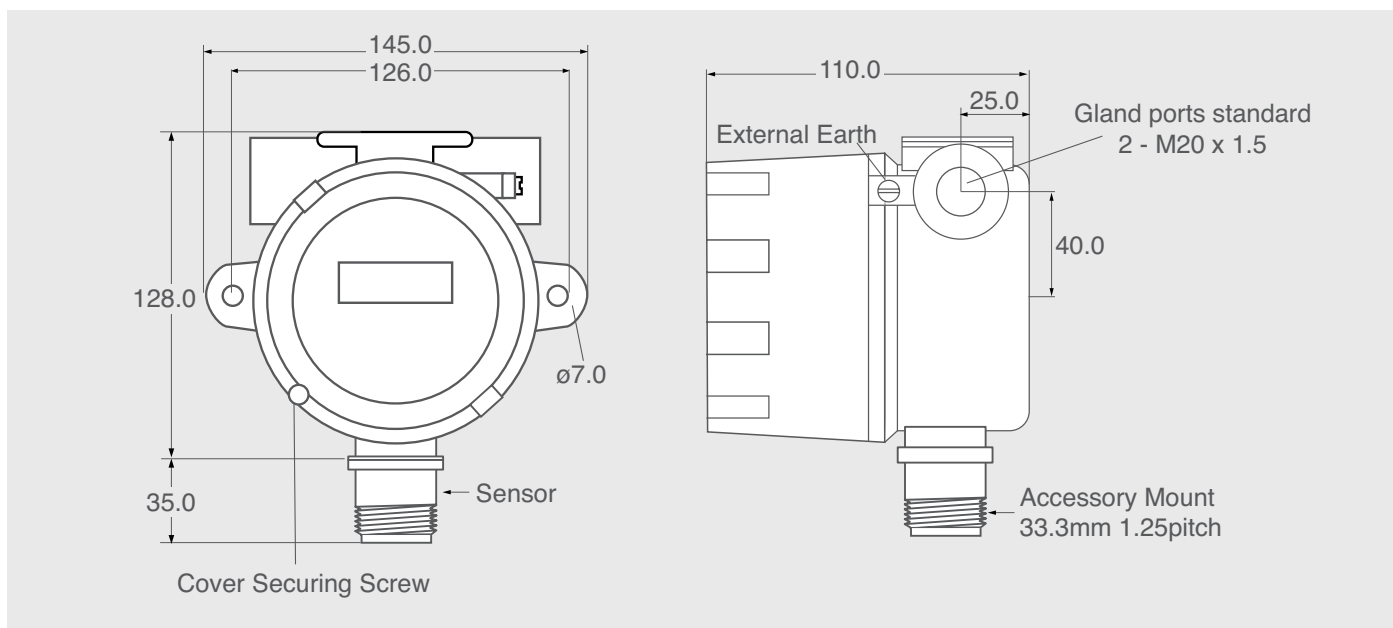
1.6kg

### 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



### Accessories

003-010	Collector Cone & Universal Fitting (1)
003-020	Universal fitting (Test Gas Applicator/ Spray Deflector) (2)
008-311	Flow Block – nylatron (3)
008-310	Flow Block – stainless steel (3)
003-035	Water Shield – stainless steel (4)
003-090	Duct Mount Kit
003-083	Detector Head Weather Shield
003-130	F1 Sensor Thermal Jacket

### Replacement Parts

010-644	PID Bulb *
010-645	PID Electrode Stack
010-646	PID Spring
010-647	PID Extraction Tool

## TRANSMITTER TECHNICAL DATA

### Documents

C1883

### Sensor Type

Photo ionisation – PID

### Target Gases

VOC's with ionisation potentials <10.6 eV

### Range

Isobutylene 0–200ppm (0–1000ppm max)  
Isobutylene 5ppb to 50ppm options  
see gas listing G645

### Overrange

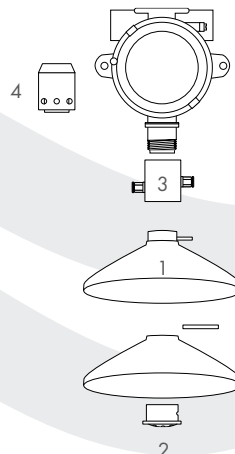
Isobutylene 5000ppm

### Response Time T90

<15 seconds

### Operating Life

Expected 5 years (excluding replaceable lamp and electronic stack – \* 12 months continuous operation)



This document is not contractual and the equipment specification may be modified at any time without prior notice.

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