

# XDIWIN-PID

## Hazardous area gas detector

Remote Fixed Gas Detection offering local control and display  
Specification Sheet ref C1507-B



### KEY FEATURES

- Explosion proof
- Flexible output options
- Addressable or stand alone
- 2 alarm relays plus fault relay or 3 alarm relays
- Non intrusive adjustment using magnets
- 3 alarm points
- Data logging
- Hyper terminal communications / RS232 - live data and set up with 232 adapter
- Back lit alpha numeric full status display

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 WatchGas Combi control system or customer preferred monitoring systems.

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### SPECIFICATIONS

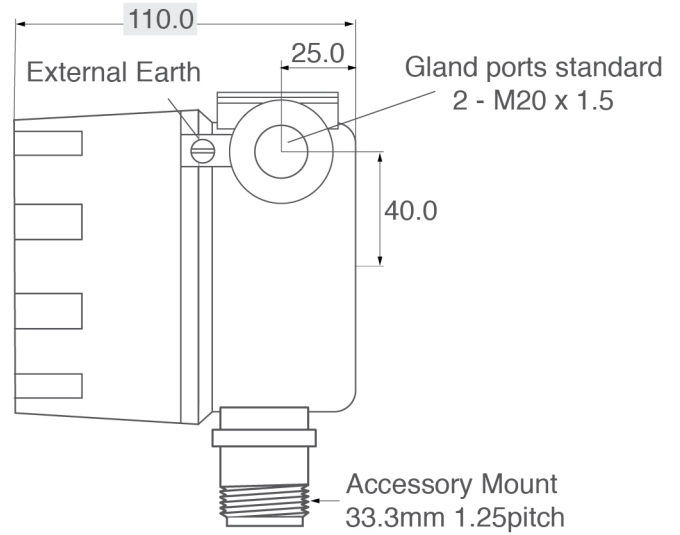
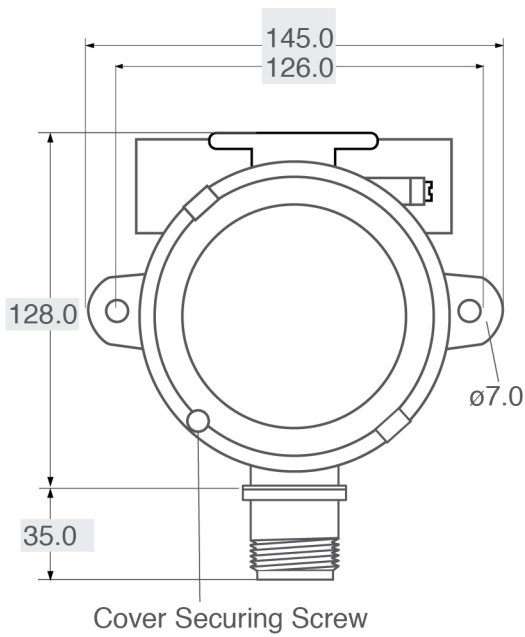
CERTIFICATION	Explosion proof ATEX-IECEX UKEx II 2G Ex db IIC T6...T4 Gb II 2D Ex tb IIIC T85°C...T135°C Db
POWER SUPPLY	18 to 35V DC – 24v DC nominal
OUTPUTS	3 wire Analog 4~20mA 4 wire CANbus Relays Low alarm S.P.C.O High alarm S.P.C.O Fault alarm S.P.C.O Rating 3A @30vDC Inhibit option during servicing
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	1.6 kg
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	<b>003-010</b> Collector Cone & Universal Fitting <b>003-020</b> Universal fitting (Test Gas Applicator / Spray Deflector) <b>003-035</b> Water Shield - stainless steel <b>008-311</b> Flow Block - nylatron <b>008-310</b> Flow Block - stainless steel <b>003-090</b> Duct Mount Kit <b>003-083</b> Detector Head Weather Shield <b>003-130</b> F1 Sensor Thermal Jacket
REPLACEMENT PARTS	<b>010-644</b> PID Bulb* <b>010-645</b> PID Electrode Stack <b>010-646</b> PID Spring <b>010-647</b> PID Extraction Tool
SENSOR TYPE	Photo ionisation - PID
TARGET GASES	VOC's with ionisation potentials <10.6 e
RANGE	Isobutylene 0-200ppm (0-1000ppm max) Isobutylene 5ppb to 50ppm options see gas listing G645
OVERRANGE	Isobutylene 5000ppm
RESPONSE TIME T <sub>90</sub>	<15 seconds
OPERATING LIFE	Expected 5 years (excluding replaceable lamp and electronic stack - *24 months continuous operation)

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### FOR MORE INFORMATION

[www.watchgas.com](http://www.watchgas.com)  
[info@watchgas.com](mailto:info@watchgas.com)

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