

XDIWIN-PID

Hazardous area gas detector

Remote Fixed Gas Detection offering local control and display
Specification Sheet ref C1507-Bv v.5



KEY FEATURES

- ATEX/IECEX 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/hyper-terminal

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

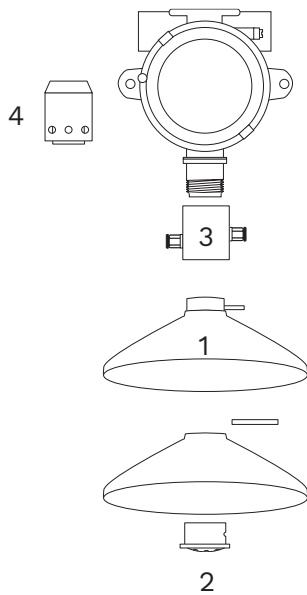
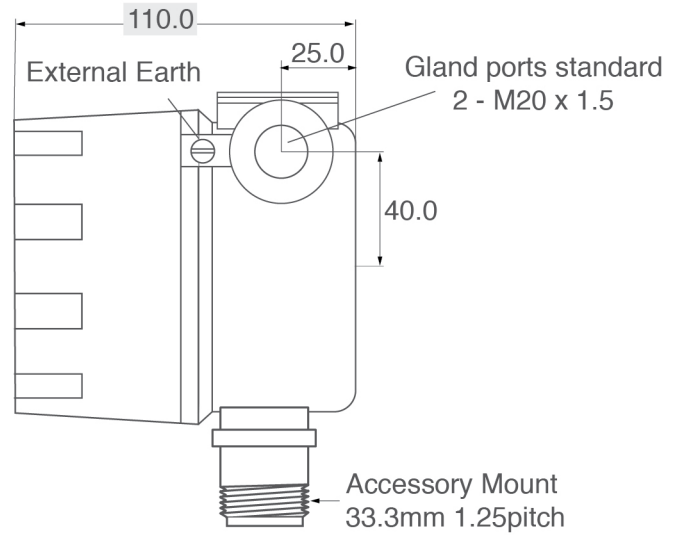
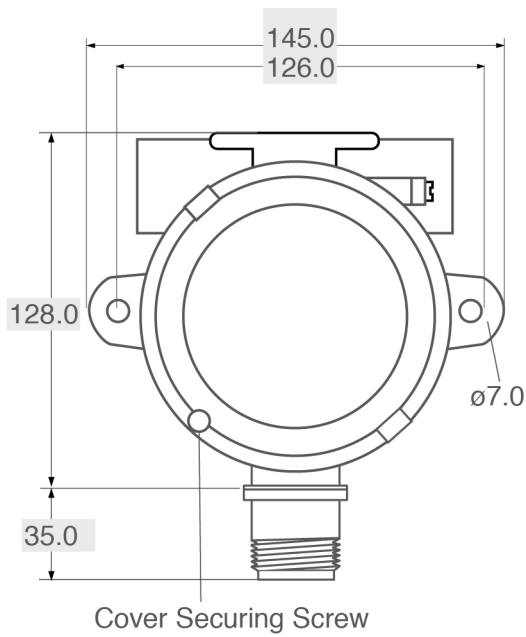
CERTIFICATION	Explosion proof ATEX-IECEX UKEx II 2G Ex db IIC T6...T4 Gb II 2D Ex tb IIIC T85°C...T135°C Db
POWER SUPPLY	18 to 35V DC – 24v DC nominal
OUTPUTS	3 wire Analog 4~20mA 4 wire CANbus Relays Low alarm S.P.C.O High alarm S.P.C.O Fault alarm S.P.C.O Rating 3A @30vDC Inhibit option during servicing
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	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
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 (range to be specified by the customer upfront)
RESPONSE TIME T ₉₀	<15 seconds
OPERATING LIFE	Expected 5 years (excluding replaceable lamp and electronic stack - *12 months continuous operation)

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FOR MORE INFORMATION

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