

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.



## Key Features

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

## SPECIFICATION

<b>Certification</b>	Explosion proof ATEX-IECEX II 2G Ex db IIC T6...T4 Gb II 2D Ex tb IIIC T85°C...T135°C Db
<b>Power Supply</b>	18 to 35vDC 24v nominal
<b>Outputs</b>	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 / overrange Rating 0.5A @30vDC Inhibit option during servicing
<b>Logging</b>	Intervals - variable time Roll over/stop Storage - 2,880 readings
<b>Display</b>	2 line alpha numeric back lit status display: gas type, concentration, units, alarm levels, alarm status (low/high/over range), sensor ID, Inhibit
<b>Indicators</b>	Alarm - Red LED Fault - Amber LED - (Flashing when in inhibit)
<b>Housing Material</b>	Copper free aluminium alloy, optional stainless steel
<b>Finish</b>	Chemical resistant epoxy paint, Ral 9003 signal white Optional - Marine grade finish
<b>Ingress Protection</b>	IP64 + water shield IP65 with hydrophobic screen IP66
<b>Cable Entry</b>	2 x M20 - 1.5 pitch - alternatives 25mm - 3/4 NPT
<b>Weight</b>	1.6kg
<b>Temperature</b>	-15°C to +55°C - safe area use For hazardous area use see temperature ranges on C1227 (Ex certification summary)
<b>Humidity</b>	5 to 95% RH non-condensing
<b>Accessories</b>	003-010 Collector Cone & Universal Fitting 003-020 Universal fitting (Test Gas Applicator / Spray Deflector) 003-035 Water Shield - stainless steel 008-311 Flow Block - nylatron 008-310 Flow Block - stainless steel 003-090 Duct Mount Kit 003-083 Detector Head Weather Shield 003-130 F1 Sensor Thermal Jacket
<b>Replacement Parts</b>	010-644 PID Bulb* 010-645 PID Electrode Stack 010-646 PID Spring 010-647 PID Extraction Tool

# WatchGas XDIwin-PID HAZARDOUS AREA GAS DETECTOR

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

<b>Sensor Type</b>	Photo ionisation - PID
<b>Target Gases</b>	VOC's with ionisation potentials <10.6 eV
<b>Range</b>	Isobutylene 0-200ppm (0-1000ppm max) Isobutylene 5ppb to 50ppm option see gas listing G645
<b>Overrange</b>	Isobutylene 5000ppm
<b>Response Time T<sub>90</sub></b>	<15 seconds
<b>Operating Life</b>	Expected 5 years (excluding replaceable lamp and electronic stack - *24 months continuous operation)

