79-2500 INFRARED
GAS DETECTOR

PRODUCT BROCHURE

Ampcontrol's 79-2500 range of Exd Group 2 certified flammable gas detectors is available in Infrared, Catalytic and Electrochemical detection versions.

The detectors feature a local display and calibration functions with 4-20mA loop output. Inbuilt alarm with relay options for local alarm control. User programmable via magnetic tool. Backlit LCD provides full information display of gas, alarm and mA outpuT.

GAS TYPES

- Butane
- Diesel vapours
- Ethane
- Hydrocarbons
- Jet fuel vapours
- Methane
- Petrol vapours
- Propane
- CO_2

FEATURES

- Certified Flameproof
- Remote display option
- Non-intrusive calibration and checking
- Certification – IECEx Exd IIB T6 40°C (infrared)
- In-built alarm and relay options
- Duct mount kit available

SPECIFICATIONS	
Power	1.8 watts, 2.7 watts with relay option
Accuracy	+/- 2.0% fsd on all ranges
Repeatability	+/- 1.0% fsd
Built in self test	Continuous
Non-intrusive adjust	Zero/Span/Test Gas Concentration/Alarm Set-points/Gas Type
No gas test feature (IR)	Invokes pre-programmed response test via front panel (factory pre-set to specifications eg. 30% LEL) using our patented lamp control technology which enables precise and repeatable readings over long periods without use of test gas.
Electrical certification	IECExD IIB T6
Operating temp. range	IR -30°C to +70°C
Humidity range	0 - 99% RH
Shock resistance	Half sine 15g, 20ms duration on all axis
Vibration resistance	3 - 10Hz, displacement 0.5mm, 10 - 50 Hz, 2m/s2
Conduit entries	3/4 NPT conduit (2) horizontal plane standard
Weight inc. housing	2.0kg (without sensor, varies with options)
Overall dimensions	150mm width x 125mm height x 120 depth
Gas type	Flammable Hydrocarbons & CO_2
Detection Range	0-100%LEL (Hydrocarbons) & 0-5%Vol (CO_2)
Response time	<30sec to reach 90% of reading