

# 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

## 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/Catalytic -30°C to +70°C Electrochemical -20°C to +40°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/s <sup>2</sup>
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
Response time	<30sec to reach 90% of reading