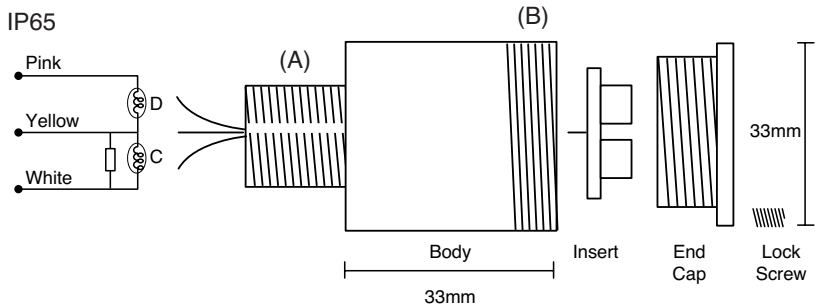


TECHNICAL SPECIFICATION

Application	Combustible gas detection
Operating range	0 -100% L.E.L. for gases and vapours
Sensing Principle	Catalytic Combustion - continuous diffusion - poison resistant
Classification	EExd IIC T6 (T3, T4, T5 options) 112GD SCS Cert. No. 03ATEX1176X CSA-US-Class 1 Group A B C & D Cert No LR1158631 IECEX SIR 06.0016X
Housing Material	Stainless Steel 316-S16
Dimensions	Body Length 32mm. Diameter 33mm
Cable Exit Mounting Thread (A)	20mm 1.5 pitch standard 25mm 1.5 pitch option $\frac{3}{4}$ NPT - 14 option
Accessory Mounting Thread (B)	33.3mm 1.25 pitch
Lock Screen	3mm - 1mm
Housing Components	Body Ref. 001-002 End Cap Ref. 001-003
Ingress Protection	IP53 + Water Shield IP65
Operating Voltage	2v \pm 0.10v
Typical Current	170mA \pm 15mA
UK Design Patent	No. 2025396
Weight	165 gms



PERFORMANCE DATA

Warm Up Time	1% L.E.L. within 10 seconds
Sensitivity	> 16mV per % Methane
Response Time (T90)	10 seconds to 1% Methane
+ Weather Cone	14 seconds
Operating Temperature	-20°C to 65°C
High Temperature Version	-20°C to 120°C
Storage Temperature	-20°C to 40°C
Linearity	Better than \pm 4% fsd.
Zero Stability	< \pm 8% fsd/year
Repeatability	Better than \pm 4% fsd.
Humidity Effects	Continuous 20-90rh Intermittent 0-100% rh (non-condensing)
Pressure Effects	The deviation of the indication from that at 1013 mbar over the range 950 to 1100 mbar is less than 3% L.E.L. or 10% of reading, whichever is greater.
Vibration Test	4g 96hrs 20-330Hz/2min
Air Speed Effect	The variation of the indication over a range of air speeds from 0m/s to 6m/s is less than 3% L.E.L. or 10% of reading, whichever is the greater. With weather cone fitted- 1.25% L.E.L. or 4.5% of reading.
Temperature Coefficient	0.2% L.E.L. per 1°C change
Operating Life (Typical)	> 5 years clean environment
Storage Life	Clean stable conditions > 4 years

GDS Technologies Ltd

Fusion Point, Ash Lane
Garforth, Leeds LS25 2GA
Tel +44 (0)113 286 0166
Fax +44 (0)113 287 8178
sales@gds-technologies.co.uk
www.gds-technologies.co.uk