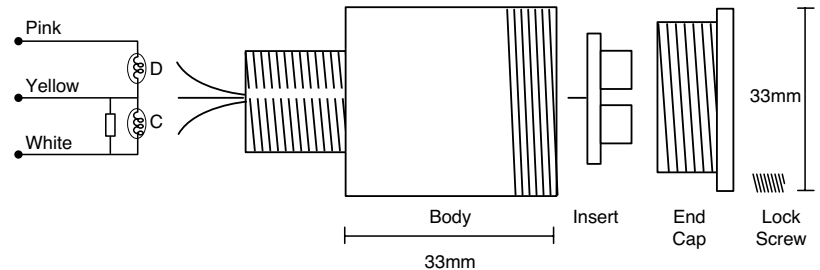




## TECHNICAL SPECIFICATION

<b>Application</b>	Combustible gas detection
<b>Operating range</b>	0 -100% L.E.L. for gases and vapours
<b>Sensing Principle</b>	Catalytic Combustion - continuous diffusion - poison resistant
<b>Classification</b>	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
<b>Housing Material</b>	Stainless Steel 316-S16
<b>Dimensions</b>	Body Length 32mm. Diameter 33mm
<b>Cable Exit Mounting Thread (A)</b>	20mm 1.5 pitch standard 25mm 1.5 pitch option $\frac{3}{4}$ NPT - 14 option
<b>Accessory Mounting Thread (B)</b>	33.3mm 1.25 pitch
<b>Lock Screen</b>	3mm - 1.5mm key
<b>Housing Components</b>	Body Ref. 001-002 End Cap Ref. 001-003
<b>Ingress Protection</b>	IP53 + Water Shield IP65
<b>Operating Voltage</b>	2v $\pm$ 0.10
<b>Typical Current</b>	300mA
<b>Power Consumption</b>	0.7W max.
<b>UK Design Patent</b>	No. 2025396
<b>Weight</b>	165 gms



## PERFORMANCE DATA

<b>Warm Up Time</b>	1% L.E.L. within 10 seconds
<b>Sensitivity</b>	> 12mV per % Methane
<b>Response Time (T90)</b>	10 seconds to 1% Methane
<b>+ Weather Cone</b>	14 seconds
<b>Operating Temperature</b>	-20°C to 65°C
<b>High Temperature Version</b>	-20°C to 120°C
<b>Storage Temperature</b>	-20°C to 40°C
<b>Linearity</b>	Better than $\pm$ 2% fsd.
<b>Zero Stability</b>	< $\pm$ 8% fsd/year
<b>Repeatability</b>	Better than $\pm$ 2% fsd.
<b>Humidity Effects</b>	Continuous 20-90rh Intermittent 0-100% rh (non-condensing)
<b>Pressure Effects</b>	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.
<b>Vibration Test</b>	4g 96hrs 20-330Hz/2min
<b>Air Speed Effect</b>	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.
<b>Temperature Coefficient</b>	0.2% L.E.L. per 1°C change
<b>Operating Life (Typical)</b>	> 5 years clean environment
<b>Storage Life</b>	Clean stable conditions > 4 years

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