Combustible Gas CiTipeL® Specification



4P-100 CiTipeL®

Performance Characteristics

Gases Detected | Most combustible gases

and vapours

Range 0-100% LEL

Operating Voltage 3V d.c.Detector Operating $\cong 90mA$

Current

Poison Resistance Resistant to H₂S poisoning

Output Sensitivity | 30 ± 6mV/%methane

T₉₀ Response Time <15 seconds

Linear to 0-3% methane

Long Term Sensitivity Drift | <5% signal/month

Long Term Zero Drift <5%LEL_{methane}/month

Warranty Period 12 months from date of despatch

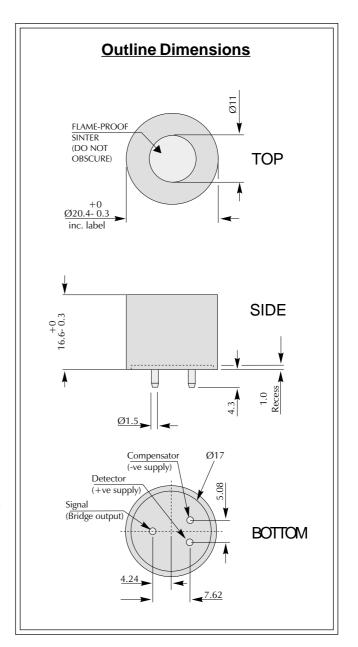
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Relative Sensitivity

The table below shows the variation in response of a 4P-100 CiTipeL on exposure to a range of gases and vapours at the same %LEL concentration. The figures are experimentally derived and expressed relative to the methane signal (=100).

Note: The results are intended for guidance only. For the most accurate measurements an instrument should be calibrated using the gas under investigation.

Gas/Vapour	Relative Sensitivity*	Gas/Vapour	Relative Sensitivity*	
Methane	100	Carbon monoxide	95	
Propane	60	Acetone	60	
n-Butane	60	Methyl ethyl ketone	50	
n-Pentane	50	Toluene	45	
n-Hexane	45	Ethyl acetate	55	
n-Heptane	45	Hydrogen	90	
n-Octane	45	Ammonia	125	
Methanol	100	Cyclohexane	55	
Ethanol	70	Leaded Petrol	50	
Iso-propyl alcohol	60	Unleaded petrol	60	
*Each sensitivity has been rounded to the nearest 5%				



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Product Approvals

Canada/North America

Approval Body	CSA (Canadian Standards Association)	UL (Underwriters Laboratories Inc.®)	
Test Standard	CSA Std C22.2 No 30-M1986 Explosion- Proof Enclosures for Use in Class 1	UL 913	
	Hazardous Locations		
Product Categories	Class 1, Groups A,B,C,D	Class 1, Groups A,B,C,D	
File Number	LR103143	E180262	

Europe

Approval Body	SIRA Certification Service	
Test Standard	BS EN 50014: 1993	
	BS EN 50018: 1995	
Product Categories	EEx d IIC	
Certificate Number	Ex 95Y1017U	