MECHANICAL	
CERTIFICATION	ATEX II 2G - EEx d IIC T6
ENCLOSURE	Cast Aluminium Anodized with Epoxy Coating or AISI 316L (Option)
SENSOR BODY	AISI 316L
INGRESS PROTECTION	IP 65 (IP 56 for sensor head)

ELECTRICAL	
OPERATING VOLTAGE	10 to 32 Vdc
POWER REQUIREMENT	2W as a maximum
CABLE ENTRY	3x 3/4 "NPTF or 3x M20 as option
ELECTRICAL CONNECTIONS	3-wire connection for power and signal 6-wire connection to the contacts for early warning, alarm and fault

ELECTRONICS	
VISUAL MEASURMENTS (OPTIONAL)	LED Light for early warning, alarm and fault
OUTPUT SIGNALS	Analogue 4-20mA (source type)
RELAY OUTPUTS (OPTIONAL)	3 relay contacts for reporting malfunctions, gas alarm 1 and 2, voltage free contacts and protected by built-in self-resetting fuse, manually configurable NO or NC via jumpers
CONFIGURATION AND CALIBRATION	Intrusive, via Zero & Span potentiometers
RF RADIATION AND EMISSION	Conforms to EN 61000-6-3 and EN 61000-6
RELATIVE HUMIDITY	0 to 95% RH non-condensing
ACCURACY	1% of full scale
LINEARATIY	Better than 1% of full scale

OPERATION TEMPERATURE	
SENSORS	Electro-chemical : - 20° to +50°C Infrared : - 40° to +70°C Catalytic combustion : - 40° to +80°C
ELECTRONIC	- 50° to +80°C

GAS DETECTION TECHNOLOGY AND STANDARD RANGES

FL	0 - 100% LEL **catalytic or infrared**
CH4	0 - 100% vol **infrared**
CO2	0 - 100% vol **infrared**
CO2	0 – 5000 ppm, 0-10000 ppm, 0-20000 ppm **Electrochemical**
O2	0 – 25% vol **Electrochemical**
CO	0 – 500 ppm **Electrochemical**

Note: For measurements of gas not listed, please contact us.

RESPONSE TIME (AVERAGE)

	CH4 (50%)	H2S (20PPM)
T50	3s	14.2s
T60	4.8s	17.1s
T90	31s	35.2s

PHYSICAL CHARACTERISTICS

DIMENSIONS	See drawing
WEIGHT	2Kg

OPTIONAL ACCESSORIES

- Sunshade for protection against solar radiation
- Hydrophobic Teflon filter
- Duct mounting adaptor in AISI 316L or plastic
- Fixing plate in AISI 316L
- Calibration kit

MECHANICAL LAYOUT