



### 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	3W as a maximum
CABLE ENTRY	3x 3/4 "NPTF or 3x M20 as option
ELECTRICAL CONNECTIONS	3-wire connection for power and signal

### ELECTRONICS

ELECTRONIC MANAGEMENT	Microprocessor with 16 bit signal conversion
VISUAL MEASUREMENTS	3x 7-segment digital display
SUPERVISION WITH DISPLAYING ERROR CODES	Gas sensor and its operational lifetime Temperature sensor, negative drift & over range
TEMPERATURE COMPENSATION	Automatically throughout the operating range
OUTPUT SIGNALS	Analogue 4-20mA (source type)
CONFIGURATION AND CALIBRATION	Non-intrusive, with 5-button keypad with manual & magnetic actuation
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
LINEARITY	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

<b>FL</b>	0 - 100% LEL <b>catalytic or infrared</b>	<b>O2</b>	0-25% vol	<b>NHS</b>	0-100/1000 ppm
<b>CH4</b>	0 - 100% vol <b>infrared</b>	<b>CO</b>	0-500 ppm	<b>O3</b>	0-2 ppm
<b>CO2</b>	0 - 100% vol <b>infrared</b>	<b>H2S</b>	0-200 ppm	<b>HCN</b>	0-100 ppm
<b>H2</b>	0 - 1000 ppm <b>electrochemical cell</b> 0 - 10000 ppm <b>electrochemical cell</b>	<b>NO</b>	0-100 ppm	<b>HCL</b>	0-50 ppm
		<b>NO2</b>	0-20 ppm	<b>PH3</b>	0-5 ppm
		<b>SO2</b>	0-100 ppm	<b>ETO</b>	0-20 ppm
		<b>CL2</b>	0-20 ppm	<b>F2</b>	0-1 ppm
		<b>CLO2</b>	0-1 ppm	<b>HF</b>	0-10 ppm

*Electrochemical cell is used for all above gases*

*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
- Flow Adapter AISI 316 , Extension tube AISI 316L for remote sensor up to 1.5m “, for the detection of heavy gases such as H2S
- Extension kit for remote sensor up to 15 meters
- Duct mounting adaptor in AISI 316L or plastic
- Fixing plate in AISI 316L
- Calibration kit

## MECHANICAL LAYOUT

