



D•TEX 420

EXPLOSIVE GAS DETECTOR

GPL - CH₄ - C₃H₈ - C₄H₁₀ - H₂ ...

Technology:

- Catalytic
- Infrared

Connection: 3 wires

• Output signal: 4..20 mA

• LCD display

• ATEX marking:

II 3G Ex nA d IIC T6 Gc

Temp: 0 °C à +50 °C



DALEMANS®

G A S D E T E C T I O N




D•TEX 420

All gas detection installations must be calibrated and maintained regularly in accordance with the manufacturer's instructions to guarantee safety and performance.



CARACTERISTICS

MATERIAL	Flame retardant (UL 94 V-0) and UV stabilized plastic	
DIMENSIONS (HxWxD)	147 x 119 x 51 mm	
WEIGHT	300 g	
OUTPUT	4..20 mA current loop	
 SENSOR TECHNOLOGY	CATALYTIC	INFRARED
OPERATING VOLTAGE	10 - 30 V (DC)	10 - 30 V (DC)
POWER CONSUMPTION	1W (typical) 1.6W (max.)	0.5W (typical) 1.2W (max)
OPERATING TEMPERATURE	0 °C to +50 °C	0 °C to +50 °C
RESPONSE TIME (T90)	< 30 s	< 30 s
ACCURACY	± 3 % Full Scale	+/- 1,5 % Full Scale
EXPECTED OPERATING LIFE	> 2 years	> 3 years
HUMIDITY & PRESSURE	0 - 95 % RH (non-condensing) 90-110 kPa	
WIRING(*)	3 x 0,75 - 2,5 mm ² (solid wires) - Silicone-free cable	
END LOOP RESISTANCE	50 - 750 ohms	
CABLE ENTRY	1 x M20	
DISPLAY	LCD - 4 characters	
HOUSING INGRESS PROTECTION	IP65	
APPROVAL CODE	Ⓔ II 3G Ex nA d IIC T6 Gc Tamb: 0 °C to +50 °C	
HAZARDOUS AREA	Zone 2	
GAS GROUP	IIC	
STANDARDS	EN 60079-0 - EN 60079-1 - EN 60079-15 - EN50270 Type 1	

(*) PRECAUTIONS FOR USE: Never connect the detector with a cable containing silicone in its composition or manufacture process. It could hinder or prevent full functionality of the detector. Please contact your supplier before installation.

TARGET GASES

GAS	CATALYTIQUE	INFRAROUGE
METHANE (C ₂ H ₆)	0 - 100 % LEL	0 - 100 % LEL
PROPANE (C ₃ H ₈)	0 - 100 % LEL	0 - 100 % LEL
BUTANE (C ₄ H ₁₀)	0 - 100 % LEL	0 - 100 % LEL
ETHANOL (C ₂ H ₆ O)	-	0 - 100 % LEL
HYDROGEN (H ₂)	0 - 100 % LEL	-
NATURAL GAS	0 - 100 % LEL	0 - 100 % LEL

Other gases and measurement ranges upon request.

The information contained in this documentation is non-contractual and subject to modifications.