

D•420

GAS OR OXYGEN DETECTOR CL2 - CO - NH3 - O2 - CO2 - FREONS ...

Principes :

- Electrochemical
- Semiconductor
- Infrared
- Connection: 2 or 3 wires
- Output signal: 4..20 mA
- LCD display



DALEMANS®

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

D•420

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



CHARACTERISTICS

MATERIAL	Flame retardant (UL 94 V-0) and UV stabilized plastic		
DIMENSIONS (HxWxD)	142 x 119 x 51 mm		
WEIGHT	300 g		
OUTPUT	4-20 mA current loop		
MEASUREMENT PRINCIPLE	ELECTROCHEMICAL	SEMICONDUCTOR	INFRARED
OPERATING VOLTAGE	10-30 Vdc	10-30 Vdc	10-30 Vdc
POWER CONSUMPTION	0,85 W	1,8 W	0,5 W
OPERATING TEMPERATURE	-20°C to +40°C	-10°C to +50°C	-20°C to +50°C
RESPONSE TIME (T90)*	< 45 s	< 60 s	< 30 s
ACCURACY	± 1,5 % full scale	± 10 % full scale	± 1,5 % full scale
EXPECTED OPERATING LIFE	> 2 years	> 5 years	> 5 years
HUMIDITY (NON CONDENSING)	20-90 % RH	10-90 % RH	0-95 % RH
CABLE ENTRY	1 x M16	1 x M20	1 x M20
WIRING	2 wires (0,5 à 2,5 mm²)	3 wires (0,5 à 2,5 mm²)	3 wires (0,5 à 2,5 mm²)
MAX. CABLE LENGTH	1000 m		
LOOP RESISTANCE	50 - 750 ohms		
DISPLAY	LCD - 4 characters		
HOUSING INGRESS PROTECTION	IP65		
STANDARDS	EN 50270 Type 1		

* Typical value, depends on the target gas.

TARGET GASES

GAS	ELECTROCHEMICAL	SEMICONDUCTOR	INFRARED
CARBON MONOXIDE (CO)	0 - 300 ppm	-	-
NITROGEN DIOXIDE (NO₂)	0 - 5 ppm / 0 - 30 ppm	-	-
CARBON DIOXIDE (CO₂)	-	-	0 - 4 % vol
HYDROGEN SULPHIDE (H₂S)	0 - 50 ppm	-	-
AMMONIA (NH₃)	0 - 1000 ppm	-	-
SULPHUR DIOXIDE (SO₂)	0 - 20 ppm	-	-
CHLORINE (CL₂)	0 - 10 ppm	-	-
OZONE (O₃)	0 - 1 ppm	-	-
OXYGEN (O₂)	0 - 25 % vol	-	-
COOLING GASES	-	0 - 2000 ppm	-

Other gases and measurement ranges upon request.

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