



MONOlino for the detection of carbon dioxide CO₂ or hydrocarbons or HFC / HCFO



Features

The MONOlino measures the gas concentration it is designed for with the integrated NDIR detector. The NDIR detector is designed for the detection of carbon dioxide CO₂ or refrigerants such as HFC e.g. R134a or HCFO e.g. R 1234ze or hydrocarbons such as propane C₃H₈. An integrated visual and audible alarm is provided for the pre alarm and the main alarm. The power supply unit is built into the lower part of the housing. The MONOlino can be permanently connected or fitted with a plug-in cable. The alarm control outputs are 24 VDC and can be loaded with 1 ampere. The relay for fault transmission is on the power supply unit.

Protection class IP 65

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Description	Specification		
Application	The MONOlino has a built-in infrared sensor that is specifically designed for CO ₂ or hydrocarbons, e.g. propane or refrigerants such as R134a / R1234ze.		
Repeatability of test gas value concentration	(1) CO ₂ (1) FKW e.g. R134a (1) Hydrocarbons e.g. Propane	MR 5.0 % Vol. MR 2500 ppm MR 10'000 ppm	100 ppm 100 ppm 50 ppm
Storage temperature	-10 °C ... +50 °C (14 °F ... 122 °F)		
Operating temperature	-25 °C ... +40 °C (-13 °F ... 104 °F)		
Humidity	0 ... 95 % rh		
Operating voltage	230 VAC / Without power supply unit 17 ... 30 VDC		
Power consumption	Start-up < 20 mA / Continuous current < 20 mA (without alarm outputs under load)		
Alarm outputs	Pre alarm PA 24 VDC / 1 Amp. Electronically fused (Poly fuse) Main alarm MA 24 VDC / 1 Amp. Electronically fused (Poly fuse) Fault: Relay with change-over contact 24 VDC/VAC 1 Amp. / Fuse MST, on the power supply		
Mechanical properties	Dimensions Plastic case Cable gland Weight Protected class Buttons DIN rail mounting	B 140mm / H 110mm / T 60mm ASA-PC 2 x M 16 Polyamide 1 x M 20 Polyamide 350 g IP 65 Capacitive transmission Optional möglich auf Bestellung	
Mounting position	Cable glands downwards		
Ex Area	2		

⁽¹⁾ Other measuring ranges on request