

▶ OLCT10-Freon

Refrigerant gas leak detector



Technical specifications

Detected gas: FX56, HFO-1234YF, HFO-1234ZE, R11, R12, R22, R23, R32, R245FA, R123, R134A, R143A, R404A, R407C, R407F, R408A, R410A, R434A (RS45), R507

Detection principle: semi-conductor sensor

Output signal: 4-20mA linear

Power: 15 - 30 Vcc (24 Vcc nominal)

Consumption: 100 mA max

Connections:

- 3 shielded active wires
- 32 Ωmax loop
- 1 M16 cable gland, 4 to 8 mm cable diameter

Dimensions (WxHxD): 118 x 126 x 58 mm

Material: ABS

Protection: IP66

Temperature range: -10 to + 45 °C

Humidity range: 0 % HR à 95 % HR

Pressure range: 1 bar ± 20 %

Response time: T50 < 10s, T90 < 20s

Application areas

Engine room, cold rooms and freezers, HVAC ventilation and air conditioning systems, refrigeration compressor groups, service tunnels for ventilation and air conditioning, etc.

Product description

Specially designed for refrigeration applications, the **OLCT10-Freon** range of sensors is an excellent value model for detecting refrigerant leaks like **HFOs** (Low GWP Fluoro-Olefin Hydrocarbons such as R1234yf or R1234ze), **HFCs** (Hydro Fluoro Carbons like R134A, R407C, R410), and **HCFCs** (Hydro Chloro Fluoro Carbons like R22).

Robustness, reduced size, installation and use simplicity are the main advantages of these transmitters that can be used with **MX32**, and **MX43** controllers or any other 4-20 mA signal controller.

Codification

Refrigerant gas	Range	Code
FX56	0 - 2000 ppm	OLCT10-510
HFO-1234YF	0 - 1000 ppm	OLCT10-662
HFO-1234ZE	0 - 1000 ppm	OLCT10-525
R11	0 - 1 %/vol.	OLCT10-505
R12	0 - 1 %/vol.	OLCT10-500
R22	0 - 2000 ppm	OLCT10-501
R23	0 - 1 %/vol.	OLCT10-506
R32	0 - 1000 ppm	OLCT10-515
R245FA	0 - 1000 ppm	OLCT10-521
R123	0 - 2000 ppm	OLCT10-509
R134A	0 - 2000 ppm	OLCT10-502
R143A	0 - 2000 ppm	OLCT10-511
R404A	0 - 2000 ppm	OLCT10-512
R407C	0 - 1000 ppm	OLCT10-517
R407F	0 - 1000 ppm	OLCT10-519
R408A	0 - 4000 ppm	OLCT10-518
R410A	0 - 1000 ppm	OLCT10-514
R434A (RS45)	0 - 4000 ppm	OLCT10-520
R507	0 - 2000 ppm	OLCT10-513