

## ▶ OLC(T)10

### Explosive, toxic or refrigerant gas detector



#### Technical specifications

##### Detection principle:

Explosive combustible gases : 0 – 100 % LEL poison resistant catalytic sensors (methane, butane, propane, LPG, CNG or H2)

EXPLO combustible gas	Gamme de mesure	Référence
Butane	0-100% LEL C4H10	OLCT10-004
Hydrogen	0-100% LEL H2	OLCT10-003
Methane	0-100% LEL CH4 (5%/vol.)	OLCT10-001
Methane	0-100% LEL CH4 (4,4%/vol.)	OLCT10-002
Propane	0-100% LEL C3H8	OLCT10-005

**Toxic gases:** electrochemical sensor

**Refrigerant gases (freons):** semiconductor sensor

##### Output signal:

- OLC and OLC-TWIN version: Wheatstone bridge 340 mA
- OLCT version (all sensors): 4-20mA linear Power supply: 15 - 30 Vdc (24 Vdc nominal)

##### Consumption:

- Electrochemical version: 30 mA
- Catalytic or semiconductor version: 100 mA max

##### Connections:

- Catalytic version: 3 active shielded wires 1.5mm<sup>2</sup>
- Electrochemical version: 2 shielded active wires, 32W max in loop
- Semiconductor version: 2 supply wires and 1 for the signal
- 1 M16 cable gland, cable diameter from 4 to 8 mm

**Dimensions (WxHxD):** 118 x 126 x 58 mm

**Materials:** ABS

**Protection:** IP65

**Operating temperature:** -10 to + 45 ° C

**Humidity:** 0% RH to 95% RH

**Certifications:** electromagnetic compatibility in compliance with EN 50270

#### Product description

The **OLCT10** is a fixed gas detector with excellent money value for monitoring explosive vapors and gases, toxic combustion gases (CO, NO, NO<sub>2</sub>), or refrigerant gases (freons HFC, HCFC, HFO).

##### ▶ OLC(T) 10 in boiler rooms

Preferred area for small and medium-sized boiler rooms in the tertiary sector. Several versions are available:

- **OLC10:** Wheatstone bridge catalytic sensor for the detection of explosive gases compatible with Oldham MX32 or MX43 controllers exclusively.

##### ▶ OLCT10 in car parks

Ideal for monitoring vehicle combustion gases, the **OLCT10** is available for the detection of CO (carbon monoxide), NO (nitrogen monoxide) and NO<sub>2</sub> (nitrogen dioxide) with an electrochemical sensor and a 4-20mA linear output.

Exhaust gases	Mesure range	Code
CO	0-300 ppm	6513567
NO	0-100 ppm	6513569
NO2	0-30 ppm	6513570

##### ▶ OLCT10 refrigerant version (freons)

With a wide range of detected refrigerants, the semi-conductor version of the **OLCT10** is compatible with all controllers or PLCs able to receive a standard 4-20mA input.

Refrigerant gas	Mesure 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%	OLCT10-505
R12	0-1%	OLCT10-500
R123	0-2000 ppm	OLCT10-509
R134A	0-2000 ppm	OLCT10-502
R143A	0-2000 ppm	OLCT10-511
R22	0-2000 ppm	OLCT10-501
R23	0-1%	OLCT10-506
R32	0-1000 ppm	OLCT10-515
R404A	0-2000 ppm	OLCT10-512
R407C	0-1000 ppm	OLCT10-517
R410A	0-1000 ppm	OLCT10-514
R434A	0-4000 ppm	OLCT10-520
R507	0-2000 ppm	OLCT10-513