

OLCT 10N

Fixed Gas Detector

- Detection of combustible gases, toxic gases or oxygen
- Digital technology
- Non-intrusive calibration
- Cost savings on wiring installation

Presentation

The OLCT 10N is a digital gas detector designed for detection of the most common gases in commercial and light industrial applications.

Intended for use in combination with the MX 43, the **OLCT 10N provides a fast and accurate response.** Up to 32 detectors can be connected on the same digital line or distributed on 8 lines.

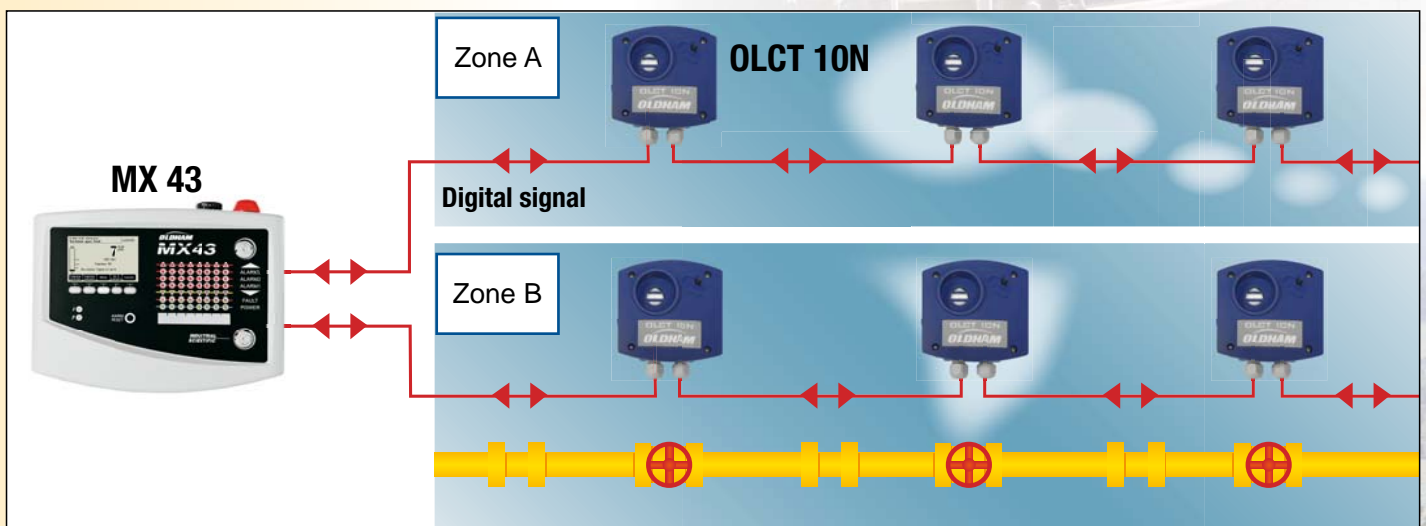
All transmitter information is received by the controller in less than 1 second.



Non-intrusive operator interface requires only a simple magnetic wand and allows **one man calibration without opening the enclosure**, and calibration information, such as span reserve, is stored in the MX43.

The OLCT 10N is **IP65 and ATEX 3 GD certified**, for use in **ATEX 2 and 22 zones**, and is **water- and dustproof.**

Configuration example



CE ATEX

The Fixed Gas Detection People

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Technical Specifications	
Range	CH ₄ , C ₃ H ₈ , C ₄ H ₁₀ , H ₂ : 0-100 % LEL (-20°C to + 55°C) O ₂ : 0-30 % vol. (-20°C to + 50°C) CO : 0-300 ppm / 0-1000 ppm (-20°C to + 50°C) H ₂ S : 0-30 ppm / 0-100 ppm (-20°C to + 50°C) NO : 0-100 ppm / 0-300 ppm (-20°C to + 50°C) NO ₂ : 0-10 ppm / 0-30 ppm (-20°C to + 50°C) NH ₃ : 0-100 ppm / 0-1000 ppm (-20°C to + 40°C)
Output	RS485 Modbus, proprietary protocol
Power supply	12-30 Vdc
Consumption	Electrochemical sensor: 2.5 mA in normal operation @ 24 Vdc Catalytic sensor : 50 mA in normal operation @ 24 Vdc
Calibration	Non-intrusive
Cable inlet	2 x M16 cable entries, outer diameter 4 to 8 mm
	Up to 32 detectors at 1000 m with a 0.9 mm ² (AWG 18) core size cable Up to 5 detectors for combustible gases at 500 m with a 0,9 mm ² (AWG 18) core size cable
Dimensions (LxHxW)	118x110x60 mm
Materials	ABS, UV and shocks resistant
Ingress protection	IP 65
Approvals	Ⓔ II 3 GD - INERIS 11ATEX3023X - IECEx 11.0029X Ex nA nC IIC T4 Gc for explosimetric versions / Ex nA IIC T4 Gc for others Ex tc IIIC T135°C Dc -20°C < Ta < +55°C Electromagnetic compatibility according to EN50270

Ordering information

Part Number	Description
OLCT10N-001	OLCT 10N Digital transmitter, range 0-100% LEL CH ₄
OLCT10N-003	OLCT 10N Digital transmitter, range 0-100% LEL H ₂
OLCT10N-004	OLCT 10N Digital transmitter, range 0-100% LEL C ₄ H ₁₀
OLCT10N-005	OLCT 10N Digital transmitter, range 0-100% LEL C ₃ H ₈
OLCT10N-200	OLCT 10N Digital transmitter, range 0-30% vol O ₂
OLCT10N-204	OLCT 10N Digital transmitter, range 0-300 ppm CO
OLCT10N-205	OLCT 10N Digital transmitter, range 0-1000 ppm CO
OLCT10N-213	OLCT 10N Digital transmitter, range 0-30 ppm H ₂ S
OLCT10N-214	OLCT 10N Digital transmitter, range 0-100 ppm H ₂ S
OLCT10N-216	OLCT 10N Digital transmitter, range 0-100 ppm NO
OLCT10N-217	OLCT 10N Digital transmitter, range 0-300 ppm NO
OLCT10N-219	OLCT 10N Digital transmitter, range 0-10 ppm NO ₂
OLCT10N-220	OLCT 10N Digital transmitter, range 0-30 ppm NO ₂
OLCT10N-231	OLCT 10N Digital transmitter, range 0-100 ppm NH ₃
OLCT10N-232	OLCT 10N Digital transmitter, range 0-1000 ppm NH ₃

Accessories

Shock guard protector (6123717)
OLCT 10N calibration tool kit (6331163)

*The OLCT 10N
is the ideal solution
for safe areas
or zone 2 (22) ATEX
locations.*



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ISO 9001:2008
CERTIFIED

ISO 14001:2004
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