

# OLCT 10N

- 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.

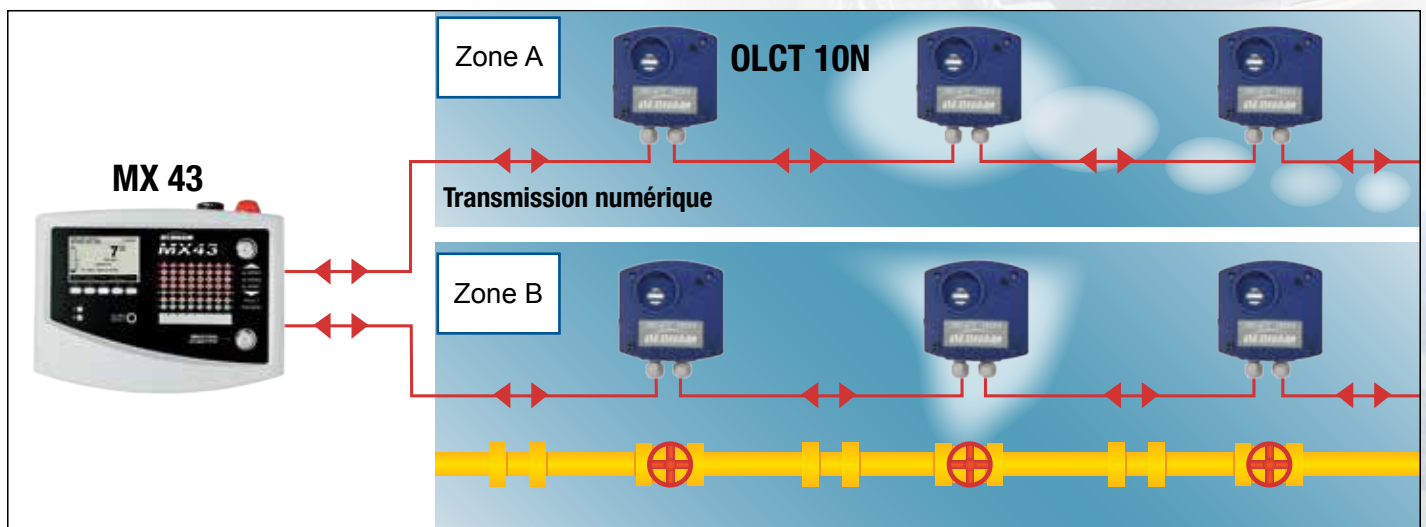
All transmitter information is received by the controller in less than 1 second.



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

## Technical Specifications

<b>Range</b>	CH <sub>4</sub> , C <sub>3</sub> H <sub>8</sub> , C <sub>4</sub> H <sub>10</sub> , H <sub>2</sub> : 0-100 % LEL (-20°C to + 55°C) O <sub>2</sub> : 0-30 % vol. (-20°C to + 50°C) CO : 0-300 ppm / 0-1000 ppm (-20°C to + 50°C) H <sub>2</sub> 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 <sub>2</sub> : 0-10 ppm / 0-30 ppm (-20°C to + 50°C) NH <sub>3</sub> : 0-100 ppm / 0-1000 ppm (-20°C to + 40°C) CO <sub>2</sub> : 0-5000ppm / 0-5% vol / 0-100% vol (-40 to + 50°C)
<b>Output</b>	RS485 Modbus, proprietary protocol
<b>Power supply</b>	12-30 Vdc
<b>Consumption</b>	Electrochemical sensor: 2.5 mA in normal operation @ 24 Vdc Catalytic sensor : 50 mA in normal operation @ 24 Vdc CO <sub>2</sub> Infrared sensor: 20mA in normal operation @24Vdc
<b>Calibration</b>	Non-intrusive
<b>Cable inlet</b>	2 x M16 cable entries, outer diameter 4 to 8 mm
	Up to 32 detectors at 1000 m with a 0.9 mm <sup>2</sup> (AWG 18) core size cable
<b>Dimensions (LxHxW)</b>	118x110x60 mm
<b>Materials</b>	ABS, UV and shocks resistant
<b>Ingress protection</b>	IP 65
<b>Approvals</b>	 II 3 GD - INERIS 11ATEX3023X - IECEx 11.0029X Ex nA nC IIC T4 Gc for explosimetric versions / Ex nA IIC T4 Gc for others (except CO2 versions) 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 <sub>4</sub>
OLCT10N-003	OLCT 10N Digital transmitter, range 0-100% LEL H <sub>2</sub>
OLCT10N-004	OLCT 10N Digital transmitter, range 0-100% LEL C <sub>4</sub> H <sub>10</sub>
OLCT10N-005	OLCT 10N Digital transmitter, range 0-100% LEL C <sub>3</sub> H <sub>8</sub>
OLCT10N-200	OLCT 10N Digital transmitter, range 0-30% vol O <sub>2</sub>
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 <sub>2</sub> S
OLCT10N-214	OLCT 10N Digital transmitter, range 0-100 ppm H <sub>2</sub> 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 <sub>2</sub>
OLCT10N-220	OLCT 10N Digital transmitter, range 0-30 ppm NO <sub>2</sub>
OLCT10N-231	OLCT 10N Digital transmitter, range 0-100 ppm NH <sub>3</sub>
OLCT10N-232	OLCT 10N Digital transmitter, range 0-1000 ppm NH <sub>3</sub>
OLCT10N-252	OLCT10N Digital transmitter, range 0-5000 ppm CO <sub>2</sub>
OLCT10N-239	OLCT10N Digital transmitter, range 0-5% vol CO <sub>2</sub>
OLCT10N-241	OLCT10N Digital transmitter, range 0-100% vol CO <sub>2</sub>

## 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.*



ISO 9001:2008  
CERTIFIED ✓

ISO 14001:2004  
CERTIFIED ✓

**OLDHAM**

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