

MultiXplo

Catalytic oxidation
Low temperature OXYCOL
High resistance against catalytic poisons

DM-CX6 Catalytic Oxidation Detector

The efficiency of catalytic oxidation gas detectors (accuracy - response time - high reliability degree) provides a perfect protection against gas risks in industrial areas.

Performances

The measuring principle based on low temperature catalytic oxidation OXYCOL™ enables to detect any combustible gas and gives the detector an exceptional long lifetime. This unique technology makes it particularly resistant against aggressive compounds. This method offers both high quality detection and cost efficiency for industrial applications.

The removable and interchangeable cartridge, as well as the wall mounting bracket separated from electronics, make this detector particularly easy to install and to maintain.

Applications

- Storage and use of combustible / flammable compounds
- Chemical plants
- Petrochemical plants
- Pharmaceutical
- GNL/GPL

Features

Low temperature catalytic oxidation OXYCOL™

Unique ambiguity cancellation system LEL/UEL

Linear response and stability over time

Short response time

Removable and interchangeable cartridge

Catalytic oxidation

Benefits

Long lifetime and good resistance against catalytic poisons

UEL Level consideration

No drift

Safety of high risk installations

Easy maintenance

Polyvalent sensor



Technical data

GENERAL

Technology	Low temperature catalytic oxidation process, Oxycol™
Detects	Gas blendings & combustible vapors
Calibration	with calibration gas
Connected Units	ECHO 2/4, ECHO 28, MDXi

PERFORMANCES

Range	0 - 100 % LEL
Response time	T 90 Methane < 15 sec
Lifetime (sensor)	> 10 years

OUTPUT SIGNAL

Standard	4-20mA, max load impedance 700Ω (Std.)
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ELECTRICAL

Power supply	24V DC, range (18 - 32V DC)
Power consumption	40 mA
Connection	0.3 mm ² (22 AWG) - 2.5 mm ² (12 AWG) Shielded cable recommended

ENVIRONMENTAL

Storage	from -30°C to +70°C (-22°F to +158°F)
Operation	from -20°C to +60°C (-4°F to +140°F)
Optional sun shade	85°C (185°F max surface temp)
High temperature	Up to 200°C (+392°F)
Humidity	99% RH (non-condensing)

EXPLOSION PROOF HOUSING

Main compartment	Exd IIC T6
Protection category	IP66
Material	Epoxy coated aluminium
Weight	1.8 kg (4 Lbs)
Dimensions	175 x 165 x 148 mm (l, w, h)

APPROVALS

ATEX	II 2 G Ex d II C T6 Gb
Certificate number	LCIE03ATEX6263

ACCESSORIES

AS055	Calibration magnet
AS056-250	Sun shade
CAL-K1C-XXX	Calibration gas
AS005	Calibration cup
AS019	Splash guard
AS011-2	Sample flow assy
Any other accessory on demand	

OTHER PRODUCTS

MultiTox DMI-CT6	Electrochemical toxic gas detector
MultiTox DMI-C06	Electrochemical Oxygen depletion detector

