

» MetCam

Models A1601000x00 - Methane Optical Gas Imager

MetCam is a fully integrated Quantifying Optical Gas Imaging (QOGI) device which increases site safety by continuously monitoring leaks, covering a large volume, locating and alarming on the presence of hazardous clouds.

MetCam also detects small emissions so that effective preventive maintenance operations can be conducted.

Metcam is certified for installation in hazardous locations (Zone 1, Class I Div 1)

Metcam detects Methane leaks in various Natural Gas phases (natural/liquefied/compressed), in facilities such as Compression stations, Natural Gas skids, LNG gasification/liquefaction facilities, LNG and CNG fueling stations.

MetCam output video and alarm signals are displayed and recorded in the control room using standard ONVIF interface.

Industry standard 4-20 mA output is available on-board MetCam, providing smooth integration into existing alarm systems.

MetCam utilizes advanced algorithms for operation in demanding environments and to minimize false alarms.

MetCam is a reliable and maintenance free device, other than periodical external cleaning.



» HIGHLIGHT FEATURES

- ▶ 24\7\365 automatic Methane leak detection.
- ▶ Rates gas cloud threat by quantifying cloud dimensions and concentration.
- ▶ Visualizes the gas cloud and leak source on a live video.
- ▶ Industry standard 4-20 mA alarm on-board output.
- ▶ Standard GigE long distance interface with control room.
- ▶ Optional WiFi interface.
- ▶ Incidence recording on internal memory.
- ▶ Withstands harsh environment, IP66 compliant.
- ▶ Self-calibrated, low maintenance cost.
- ▶ Approved for hazardous areas/explosive atmospheres, Zone 1 / Class I, Div.1
- ▶ Provides situational awareness video streaming.

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» ADVANCED INTERFACE FEATURES

- Supports user management with password control.
- Flexible network setting options.
- Access logs and download saved data with ease.
- Detection parameter setting.

» SPECIFICATIONS

Model P/N	A1601000200	A1601000300 (Extended Temperature)
OPTICAL		
Field of View	68° Horizontal X 23° Vertical 40 x 12 meters @ 30 meters distance	
Working range	10 – 50 meter distance	
DETECTIVITY		
Safety mode alarm levels	A1 and A2 discrete alarms	
Emissions mode	minimal detection level <60 gr/hr Methane	
ELECTRICAL		
Power input	16-32 VDC	
COMMUNICATION		
Local	4-20 mA Warning , alarm, inhibit & fault	
To ONVIF or VMS Client	Gigabit Ethernet	
ENVIRONMENTAL		
Explosive Atmosphere Certification	Global Certification: ATEX: II 2 G Ex db ia IIB+H2 T5 Gb IECEX: Ex db ia IIB+H2 T5 Gb -40°C < Ta < 60°C NA Certification: NEC 500 Class I Div 1 Groups B, C, D, T5 -40°C < Ta < 60°C	
Relative Humidity	0% - 100%	
Operating Temperature	-20°C to +40°C / -4°F to 104°F	-40°C to +60°C / -40°F to 140°F
Ingress Protection	IP66	
PHYSICAL		
Dimensions	156 x 236 x 183 mm / 6.1 x 9.3 x 7.2" without accessories	
Weight	4.3 kg /9.5 lbs	
INTERFACE		
Mechanical	4 x 10-32 UNF	
Gland entrance thread	3/4" NPT	