

GTYQ-MIC-500S-CB-IR2 Dual-Beam Infrared Combustible Gas Detector

GTYQ-MIC-500S-CB-IR2

A fixed single-gas detector with dual-beam infrared sensing for combustible gases. Infrared remote control and magnetic-wand operation are documented.

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Fixed dual-beam infrared monitoring

GTYQ-MIC-500S-CB-IR2 uses dual-beam infrared sensing for combustible-gas monitoring. Its standard configuration monitors one gas; confirm the target gas and measuring range for the application. Infrared remote control and magnetic-wand operation are documented alongside front-panel controls.

Technical data

Ingress protection	IP66
Dimensions	240 × 160 × 90 mm; 240 × 220 × 90 mm with alarm (L × W × H)
Weight	1.4 kg - 1.6 kg with the audio-visual alarm.
Operating temperature	-40 °C to 70 °C
Display size	2 in
Data storage	> 200,000 records
Alarm volume	> 105 dB - At 30 cm.
Sampling method	Diffusion
Standard gas configuration	1 gas
Expanded gas configuration	No higher gas-count expansion documented
Sensor configuration	Dual-beam infrared; documented service life 10 years
Power supply	24 V DC; 220 V AC optional
Signal output	RS485 Modbus RTU and three-wire 4-20 mA standard; HART 5 or HART 7 optional
Typical accuracy	±3% FS; higher-accuracy sensor option available
Response time	T90 ≤ 4 s
Recovery time	≤ 5 s
Operating humidity	10-95% RH
Explosion protection	Ex db IIC T6 Gb
Enclosure option	IP67 available as a custom configuration

Communication and positioning options

Interface	Availability	Notes
RS485	Standard	
HART	Optional	
LoRa	Optional	
LoRaWAN	Optional	
4G	Optional	
NB-IoT	Optional	
Wi-Fi	Optional	
Bluetooth	Optional	
Ethernet	Optional	

Supported Gas Configurations

Each row describes one supported gas and measuring range. It does not identify an installed detection channel or an orderable part number. Gas combinations, sensor compatibility and the final configuration require technical confirmation.

Gas	Measuring range	Resolution / notes
Combustible Gas (EX)	0-100 %LEL	1 %LEL
Combustible Gas (EX)	0-5 %Vol	0.01 %Vol
Combustible Gas (EX)	0-10,000 ppm	50 ppm

Document scope

This summary records the approved model data shown on the product page. It is not an operating manual, installation approval or certificate. Review the applicable certificate record and exact model or configuration scope separately. Request the operating instructions for the supplied configuration before installation or use.

Product information and inquiry: <https://www.eranntex.com/products/mic-500s-cb-ir2/>