

MIC-1000 Gas Alarm Controller

MIC-1000

A wall-mounted gas alarm controller for integrating analog and RS485 field detectors.

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Centralized monitoring for field detectors

MIC-1000 is a wall-mounted gas alarm controller for receiving 4-20 mA and RS485 signals from compatible field detectors. Analog input configurations cover one to eight, 16, 24 or 32 inputs, alongside up to 128 RS485 inputs. It provides local concentration display, configurable alarm thresholds and relay control outputs.

The modular controller architecture supports channel expansion and cascading. Local data logging, historical review and optional network or wireless communication support centralized monitoring and record management.

Technical data

Operating temperature	-20 °C to 70 °C
Display size	3.5 in
Dimensions	260 × 90 × 330 mm (L × W × H)
Weight	Approx. 3.8 kg
Data storage	100,000 records
Signal input	1 channel of 4-20 mA input standard; expandable to 32 channels, with up to 128 RS485 inputs
Signal output	RS485 Modbus standard; 4-20 mA, 4G, 433 MHz, LoRa, Zigbee and Ethernet outputs are optional
Display range and resolution	0-99999; selectable resolution of 1, 0.1, 0.01 or 0.001
Display accuracy	±0.1% FS
Relay output	Four control relay groups plus one common output standard; expanded relay configurations are optional
Power supply	180-240 V AC, 50/60 Hz
Backup power	12 V, 7 Ah standard
Installation	Wall mounted
Maximum power consumption	2.5 W per input

Communication and positioning options

Interface	Availability	Notes
RS485	Standard	

Interface	Availability	Notes
4G	Optional	
LoRa	Optional	
Zigbee	Optional	
Ethernet	Optional	

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.erantex.com/products/mic-1000/>