

MIC3000 Gas Alarm Controller

MIC3000

A high-capacity gas alarm controller for centralized monitoring, alarm management and system integration.

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High-capacity centralized gas alarm management

MIC3000 centralizes gas detector signals for alarm management. It has one 4-20 mA input as standard, can expand to 32 analog inputs, and supports up to 256 RS485 inputs. Cascaded systems can support 1000 input channels.

A 9-inch touchscreen provides local visualization, alarm and fault review, while relay, analog, RS485 and network interfaces support control-system integration. Data recording, export, printing and wireless communication can be configured for the installation.

Technical data

Operating temperature	-20 °C to 70 °C
Display size	9 in
Dimensions	320 × 120 × 520 mm (L × W × H)
Weight	Approx. 8.8 kg
Data storage	100,000 records
Signal input	1 channel of 4-20 mA input standard; expandable to 32 channels, with up to 256 RS485 inputs; cascaded systems support 1000 input channels
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	Eight control relay groups plus one common output standard; 16, 24 or 32 control groups optional
Power supply	180-240 V AC, 50/60 Hz
Backup power	24 V, 5 Ah optional
Installation	Wall mounted
Maximum power consumption	Less than 10 W at no load

Communication and positioning options

Interface	Availability	Notes
RS485	Standard	
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.eranntex.com/products/mic-3000/>