

Single Channel Gas Monitor Specifications

Mechanical Specifications

Height	160mm
Width	240mm
Depth	90mm
Weight	3Kg (including optional 1.2AH battery, if fitted)
Mounting holes	4 holes, Ø4.2mm, spaced at 130mm (vert) 228mm (horz)

Environmental Specifications

Operating temperature	-18 to +66 C
Storage temperature	-40 to +66 C
Humidity range	10 to 90%RH (Non-condensing)

Electrical Specifications

Supply voltage	230Vac (115Vac optional)
Power consumption	5W
Mains fuse	1A'T'
Transformer secondary fuse	1.6A PCB mounted, auto reset, PTC fuse
Battery fuse	1.6A PCB mounted, auto reset, PTC fuse
Sensor cables	3 core, screened, 0.5mm ² to 1.5mm ²
Relay contacts	SPDT, 250V, 3A each for A1, A2, A3 and FAULT (total of 4 relays)
Analogue output	4-20mA into maximum 500 W (current "source", ground referenced)
Battery operation time	Typically 4 hours with fully charged 1.2AH battery (T100 sensor)
Battery voltage	12V
Battery type	Sealed lead-acid
Combustible gas sensor type	Monicon CGS500 or compatible third-party thermocatalytic sensor
Toxic gas sensor type	Monicon T100, IR100 or compatible third-party 4-20mA transmitter
Stabilisation time	User selectable between 1 and 250 seconds
Annunciator output	2.5kHz, 84dB(A) @ 1m
Transient protection	PCB mounted, 7 Joule, Metal Oxide Varistor
Terminations	PCB mounted terminal blocks to accept 1.5mm ² cable
Option setting	Digital setting (all options fitted as standard and user selectable)
Alarm setting	Digital setting (fully adjustable between zero and full scale)
Alarm types	Energised/de-energised. Enrichment/deficiency. User selectable
Resolution	1%
Accuracy	5%
Full scale range	1.00 to 5000 (user selectable)
User variable storage	Non-volatile RAM (EEPROM)
Enclosure material	Two-piece, hinged, ABS or polycarbonate with neoprene gasket
Electromagnetic Conformance (EMC)	Complies with EN50081 and EN50082
Literature supplied	20-page detailed instruction manual with wiring diagram

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