

Fixed-Mount Gas Monitors with Multiple Remote Sensors

Multiple sensors allow better coverage of monitoring area for increased safety

Monitor combustible, toxic, and refrigerant gases in real time with the MGD-100 gas detection system. It consists of 2, 4, or 6 remote gas sensors connected to a centralized controller. With proper probe placement, multiple sensors provide greater area coverage which improves safety. Both low- and high-level alarms activate front-panel LEDs, audible alarms, and relays for controlling external items or for signaling purposes.

- Stand-alone out-of-the-box solution with quick and easy installation
- Multiple remote sensors
- Low and high alarm SPDT relays for controlling external items or for signaling
- LED lights and audible alarm indicate alarm condition
- NDIR sensor for CO₂ and combustibles; semiconductor sensor for all others
- Ideal for chiller rooms, brewing and bottling facilities, industrial refrigeration, food storage, and processing facilities
- Models with IP66-rated housing offer protection against dust and water jets



SPECIFICATIONS							
Gas	Combustibles	CO ₂	R134a refrigerant	Ammonia	Hydrogen (H ₂)	Ethylene	VOC
Range	0 to 100% LEL	0 to 5000 ppm, 0 to 10,000 ppm, 0 to 20,000 ppm, 0 to 30,000 ppm, 0 to 50,000 ppm, 0 to 1% vol.	0 to 1000 ppm	500 to 1000 ppm	0 to 2000 ppm	0 to 2000 ppm	0 to 2000 ppm
Sensor type	NDIR		Semiconductor				
Operating conditions	-4 to 122°F (-20 to 50°C); 0 to 95% RH, noncondensing						
Alarm relays	Two SPDT relay rated for 10 amps at 115/230 VAC						
Alarms	LED indicators and audible						
Dimensions (W x H x D)	Standard housing: 3 3/8" x 5 9/16" x 2 1/16" (86 x 142 x 53 mm); IP66 housing: 6 7/8" x 6 1/2" x 3 1/4" (175 x 165 x 82 mm)						
Power	110 VAC, 60 Hz						

Catalog No.	Model No.	Description
TS-10123-00	6130-1051	MGD-100 Combustibles gas detector, standard housing; two sensors
TS-10123-01	6150-1051	MGD-100 Combustibles gas detector, standard housing; four sensors
TS-10123-02	6170-1051	MGD-100 Combustibles gas detector, standard housing; six sensors
TS-10123-03	6130-1090	MGD-100 CO ₂ gas detector, standard housing; two sensors
TS-10123-04	6130-2090	MGD-100 CO ₂ gas detector, IP66 housing; two sensors
TS-10123-05	6150-1090	MGD-100 CO ₂ gas detector, standard housing; four sensors
TS-10123-06	6170-1090	MGD-100 CO ₂ gas detector, standard housing; six sensors
TS-10123-07	6130-1101	MGD-100 R134a Refrigerant gas detector, standard housing; two sensors
TS-10123-08	6150-1101	MGD-100 R134a Refrigerant gas detector, standard housing; four sensors
TS-10123-09	6170-1101	MGD-100 R134a Refrigerant gas detector, standard housing; six sensors
TS-10123-10	6130-1114	MGD-100 Ammonia gas detector, standard housing; two sensors
TS-10123-11	6150-1114	MGD-100 Ammonia gas detector, standard housing; four sensors
TS-10123-12	6150-2114	MGD-100 Ammonia gas detector, IP66 housing; four sensors
TS-10123-13	6170-1114	MGD-100 Ammonia gas detector, standard housing; six sensors
TS-10123-14	6130-1119	MGD-100 H ₂ gas detector, standard housing; two sensors
TS-10123-15	6130-2119	MGD-100 H ₂ gas detector, IP66 housing; two sensors
TS-10123-16	6150-1119	MGD-100 H ₂ gas detector, standard housing; four sensors
TS-10123-17	6170-1119	MGD-100 H ₂ gas detector, standard housing; six sensors
TS-10123-18	6130-1120	MGD-100 Ethylene gas detector, standard housing; two sensors
TS-10123-19	6150-1120	MGD-100 Ethylene gas detector, standard housing; four sensors
TS-10123-20	6170-1120	MGD-100 Ethylene gas detector, standard housing; six sensors
TS-10123-21	6130-1121	MGD-100 VOC gas detector, standard housing; two sensors
TS-10123-22	6130-2121	MGD-100 VOC gas detector, IP66 housing; two sensors
TS-10123-23	6150-1121	MGD-100 VOC gas detector, standard housing; four sensors
TS-10123-24	6170-1121	MGD-100 VOC gas detector, standard housing; six sensors