

MGC Pump User's Manual


Detector Components



Entry	Description
1	Alarm bar LEDs
2	Maintenance LED
3	Alligator Clip
4	Infrared (IR) Port
5	Gas Inlet
6	Filter Window
7	Certification Label

Entry	Description
8	Model and Serial Label
9	Gas Exhaust
10	Charging Port
11	Button
12	Audible Port
13	Display

Instrument Specifications

Size	5.7 x 3.0 x 1.5 in. (147 x 78 x 38.3 mm.)	
Weight	12.4 oz. (352 g)	
Temperature	-4°F to +122°F (-20°C to +50°C)	
Humidity	5% to 100% RH (non-condensing)	
Battery Life	IR: 5 days continuous Pellistor: 30 hours continuous	
Charge Time	4-6 hours	
Alarms	Visual, Vibrating, Audible (minimum 95dB) Low, High, STEL, TWA, OL (Over Limit), Pump	
LEDs	4 red alarm bar LEDs Yellow backlight (activated on button press) Red backlight (activated on alarm condition) Yellow Maintenance Notification LED	
Display	Alphanumeric Liquid Crystal Display (LCD)	
Logs	25 Bump Tests 25 Events 25 Calibrations Continuous 1-second data logging (> 2 months typical capacity)	
Tests	Full function self-test upon activation Sensors, battery and circuitry continuous	
Ingress Protection	IP 67	
Warranty	Full 2 years	
Gas Inlet	1/8" barbed fitting	
Pump draw	Sample from up to 75 ft. (23 m) approximately 2 ft/second with 1/8" tubing	
Gases	H ₂ S	0 – 100.0 PPM (0.1 PPM increments)
	CO	0 – 500 PPM (1 PPM increments)
	Combustible	0 – 100.0 %LEL (0.1% LEL increments)
	O ₂	0 – 30.0 % vol. (0.1% vol. increments)
Sensor Type	H ₂ S, CO, O ₂ : Single plug-in electrochemical cell Combustible: Plug-in Infrared (IR) or Pellistor	
User Options	User Message, Language, Low Alarm, High Alarm, STEL Alarm, TWA Alarm, TWA Method, TWA Interval, STEL Interval, SAFE, Maintenance Notification, Self-test Lock, Dock Lock, Pump Test, Sensor Enable, Calibration Interval, Bump Interval, Calibration Gas	
Approvals	CSA: Class 1, Division 1, Group A, B, C, and D Class 1, Zone 0, AEx ia IIC T4 Ga C22.2 No.'s 0, 152, 157 IECEx: Ex ia IIC T4 Ga (pending) IECEx CSA xx.xxxxx IEC 60079-0:2011, 60079-11:2011, 60079-26:2006 ATEX: SIRA 13 ATEX ****X (pending) CE  II 1 G Ex ia IIC T4 Ga EN 60079-0:2012, 60079-11:2012, 60079-26:2007 EN 50270 ANSI/ISA S12.13.01 UL-913 INMETRO: NCC xx.xxxxx Ex ia IIC T4 Ga (-20°C ≤ Ta ≤ 50°C) (pending)	