MGT Pump

Pumped Multi-Gas Detector

Up to six gas measurements in a single instrument

The MGT Pump is capable of detecting up to six gases simultaneously. The internal pump activates on start up and draws the gas sample across the sensors.

Easy to use

Self test and self monitoring
Easy check & calibration
30EA of Bump tests/ Events/ Cal.
Configuration via exclusive IR Link

Flexible

Simultaneously detect 6 different gases
30 hours use from one 4-6 hour charge (P-type)
5 days use from one 4-6 hour charge (N-type)

The MGT Pump has four sensor slots capable of accepting a combustible gas sensor such as a catalytic pellistor or NDIR for methane. The NDIR sensor can also be a dual methane and carbon dioxide sensor. Combining the dual carbon monoxide hydrogen sulphide with another toxic gas sensor provides another three gas measurements. The additional toxic gas sensor can be either electrochemical or PID. In addition to these there is a slot for an oxygen sensor to detect low and high levels of oxygen.

SENKO

Model	MGT Pump
Self-test	Full function self-test upon activation Sensors, battery, Pump and circuitry – continuous
Detecting Method	Pump
Display	LCD Display (back-light)
Alarm	LED flashing, Sound, Vibration
Sensors	Electrochemical Combustible(LEL): IR or Pellistor, PID
IP	67
Temperature	-20°C ~ +50°C
Humidity	5~95% RH (Non-condensing)
Battery	Rechargeable Li-ion power supply unit (2000mAh)
Charge Time	4-6 hours
Battery Life	IR: 5 days continuous / Pellistor: 30 hours continuous
Low Battery Alarm	20 minutes / 10 minutes / 5 minutes expired: 5 long beeps/flashes and then Off is displayed
Warranty	2 years
Weight	400g
Size	77(w) × 147(h) × 54(d)mm
Optional Accessory	MGT-IR Link, Docking Station, Multi Adaptor Charger
Approval	**ATEX** Ex da ia IIC T4 Ga; Ex da ia IIB T4 Ga Ex ia IIC T4 Ga; Ex ia IIB T4 Ga Ex db ia IIC T4 Ga; Ex db ia IIB T4 Ga *depending upon configuration

Standard Package Contents
Detector complete with stainless steel alligator clip
Adaptor with 5 plugs
Calibration cap
Quick disconnector
Dust filters (5 pieces)
PTFE Filters (5 pieces)
User manual
Calibrate test certification

Configuration

Model ID	Sensor 1		Sensor 2		Sensor 3		Sensor 4	
SP-MGTP-	P0	CH4 (catalytic)	0	Empty	0	Empty	0	Empty
	N0	CH4 (IR)	1	PID	1	CO/H2S Dual	1	Oxygen
	N2	CH4/CO2 dual (IR)	2	SO2				
			3	NH3				
			4	H2				
			5	NO2				
			6	NO				
			7	-				
			8	CL2				
			D	H2O2				

The part code is created by taking the model ID and adding the letter/number code for each of the four available spaces.

For example;

N2	3	1	1

SP-MGTP-

Is combination CH4/CO2/NH3/CO/H2S/O2

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