

MGT

Portable Multi Gas Detector



DESCRIPTION

MGT is an united gas detector measuring four (4) major gases, which cause the most industrial accidents, to protect workers from disasters caused by Oxygen deficiency, Toxic gas poisoning, and gas explosion. It measures continuously four (4) gases (O₂, CO, H₂S, and Combustible Gas (CH₄)) and displays their concentrations and raises an alarm (visual, vibrating, and audible) when the risk occurs. It features the dual sensor of CO and H₂S.

KEY FEATURE

- Small dimension & lightweight
- Rechargeable battery
- 30EA of bump tests / events / cal.
- Simultaneously detect 4 different gases
- 25 hours use by one charge for 4-6 hours (P-Type)
- 60 days use by one charge for 4-5 hours (N-Type)
- Configuration via exclusive IR Link
- Easy check & calibration via Docking Station
- Intrinsic safety

SENSOR SPECIFICATION

Gas	Measuring Range	Low Alarm	High Alarm
O ₂	0~30%Vol	19%Vol	23%Vol
CO	0~500ppm	30ppm	60ppm
H ₂ S	0~100ppm	10ppm	20ppm
CH ₄	0~100%LEL	10%LEL	30%LEL



SPECIFICATION

Model	MGT
Self Test	Full function self-test upon activation Sensors, battery and circuitry - continuous
Sensor Type	O2, CO and H2s : Electrochemical Combustible (LEL) : IR or Pellistor
Measuring Type	Diffusion Type
Dimension	61 (W) x 114 (H) x 43 (D)mm
Weight	240g
Operating Temperature	-20°C~+50°C
Operating Humidity	5%~95% RH (Non-condensing)
IP	IP 67
Event Log	Recent 30 alarms
Alarm	Red Flashing LEDs (Light-Emitting Diode), 90dB audible alarm at a distance of 10cm, Vibration alarm
Display	Liquid Crystal Display (LCD), Back-light
Battery	Rechargeable Li-ion power supply unit (2,000mAh)
Battery Life	IR : 60 days continuous / Pellistor : 25 hours continuous
Low Battery Alarm	20 minutes / 10 minutes / 5 minutes Expired : 5 long beeps / flashes and then Off is displayed
Charging Time	4-6 hours
Warranty	2 years
Components	Calibration Cap, Charge Cable (USB C-Type) and Adaptor
Certification	ATEX II 1 G Ex ia IIC T4 Ga(SP-MGT-N) II 1 G Ex da ia IIC T4 Ga (SP-MGT-P)
	IECEX Ex ia IIC T4 Ga (SP-MGT-N) Ex da ia IIC T4 Ga (SP-MGT-P)
	CSA&UL Ex ia IIC T4 Ga(SP-MGT-N) Class I, Division 1, Groups A, B, C, and/or D, T4 Class I, Zone 0, AEx ia IIC T4 Ga Ex da ia IIC T4 Ga(SP-MGT-P) Class I, Division 1, Groups A, B, C, and/or D, T4 Class I, Zone 0, AEx da ia IIC T4 Ga
	INMETRO Ex ia IIC T4 Ga (SP-MGT-N) Ex da ia IIC T4 Ga (SP-MGT-P)
	PESO Ex da ia IIC T4 Ga (MGT-P) Ex ia IIC T4 Ga (MGT-N)
	etc. RoHs2, EMC, RCM(ACMA&RSM), REACH, WEEE, FCC

ACCESSORIES



IR Link Communication
Connects to the computer in order to program configuration and download data log



Vehicle Power Adaptor



7CH Multi Adaptor



Sampling Pump
(SP-Pump101)



Extension Probe
5m / 10m



Multi Cradle



MGT Single
Docking Station



MGT
Docking Station



MGT External
Filter Adapter



MGT External Replacement
Filter for MGT Adapter
(Kit of 10)