

# Portable/Handheld Multi Gas Detector

Modle : MGD-3102 D/P

A COMPACT RUGGED & INTELLIGENT INSTRUMENT for...

- AMBIENT MONITORING • PROCESS OR EMISSION GAS ANALYSIS
- PRE-ENTRY CHECK • FUEL COMBUSTION OPTIMIZATION • QUALITY CONTROL



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**Analytical Technologies Limited**

An ISO 9001 Certified Company

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## ►► TECHNOLOGY

It's simple automatic operation, continuous measurement and digital display of all or any selected gas and derived parameters makes it a valuable aid for on site instant analysis and follow up action.

It's data logging and computer interface features can be used for further detailed analysis in the laboratory.

On startup, the instrument automatically goes through complete self integrity check, and display the current parameter reading. ON/OFF, FN and EN are three Keypad switch provide on the instrument panel.

## ►► Special Feature

- Automatic operation
- Self diagnostic check
- Proven sensor technology
- Accommodate up to four sensors
- Continuous, stable alphanumeric display
- Diffusion or suction sampling
- Long life rechargeable batteries
- Data logging and Rs 232 output capability
- Intrinsically safe.

## ►► Specifications

Type	Portable
Detectable gases/ parameter	All including/ Volatile organic compounds
Electronics/processor	Micro-controller
Power supply	Rechargeable battery with charger
Display	Graphic LCD
Alarm	Audio/visual
Output	RS - 232, Data logger
Technology	Sensor specific
Range resolution	1%v/v/1%LEL/1PPM/1µg/m <sub>3</sub>
Accuracy	± 2 % FS & 0.5% for o <sub>2</sub>
Response time	Less than 15 sec
Operating temperature	0 to 55 °C

Sampling/input	Diffusion or suction
Housing/case	ABS HI-Impact Plastic
Included accessories	Carrying case
Optional accessories	Sampling probe with pump
Application	Ambient monitoring/gas leakage
Humidity	5% to 90% non-condensing
External dimension	225x106x40 mm approximately
Weight	750 gm (gross)

## ►► GASES AND RANGES

1. CO :0-500/0-2000 PRM	5. H <sub>2</sub> S :0-2000 PPM	10. SO <sub>2</sub> :0-20/0-2000 PPM
:0-500µg/m <sup>3</sup> ,0-10%v/v	6. NO :0-10/0-5000 PPM	11. NO <sub>2</sub> :0-20/0-2000PPM
2. NH <sub>3</sub> :0-500/0-1000 PRM	7. O <sub>2</sub> :0-25/0-100 %v/v	12. HBR :0-5/0-200 PPM
3. CL <sub>2</sub> :0-500 PRM	8. H <sub>2</sub> :0-25/0-100 %v/v	13. HC/LPG :0-100 %v/v or LEL
4. CO <sub>2</sub> :0-100 %v/v	9. O <sub>3</sub> :0-500 µg/m <sup>3</sup>	14. Efficiency :0-99 %

## ►► Sensor

01.EC  
 02.TCD  
 03.CC  
 04.IR  
 05.PID  
 06.SS

## ►► Regulatory compliances



## ►► Corporate Social Responsibility

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