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TUVINDIA



PORTABLE GAS DETECTOR

A COMPACT RUGGED & INTELLIGENT INSTRUMENT FOR AMBIENT MONITORING, GAS LEAKAGE, PRE ENTRY CHECK, QUALITY CONTROL



MX - 51

Single / Multi Gas Detector

Its automatic operation, continuous measurement and digital display of all or any selected gas and derived parameters make it a valuable aid for on-site analysis.

Its data logging and computer interface features can be used for further detailed analysis.

On startup, the instrument automatically goes through a complete self-integrity check and displays the current parameter reading.

The instrument is provided with simple 5 keys which make it easy to operate & user-friendly.

SPECIAL FEATURES

- Intrinsically safe
- Automatic Operation
- Self diagnostic facility
- Proven sensor technology
- Accommodate up-to four sensors and pump
- Continuous, stable Graphic LCD
- Long life Li-Ion batteries
- Data logging and RS 232 output capability

Note : Images shown are indicative only. Specifications and Features will vary with application. There may be changes overtime due to continuous development process. @ 2026



ENDEE ENGINEERS PVT. LTD.

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SPECIFICATIONS

| | | |
|-------------------------------|---|--|
| Type | : | Portable / handheld |
| Detectable gases / parameters | : | All including / Volatile Organic Compounds |
| Electronics / processor | : | Micro-controller |
| Power supply | : | Rechargeable battery |
| Display | : | Graphic LCD |
| Alarm | : | Audio-Visual alarm |
| Digital output (optional) | : | RS - 232, Data logger (optional) |
| Technology | : | Sensor specific |
| Range | : | %V/V, %LEL, PPM |
| Resolution | : | 1% LEL, 1 PPM, 0.1% V/V |
| Accuracy | : | ±0.5% of FS for O2 & ± 2 % of FS for other gases |
| Response time | : | < 30 Sec |
| Operating temperature | : | 0 - 55 °C |
| Sampling | : | Diffusion or Suction |
| Housing | : | ABS plastic enclosure |
| Accessories | : | 1. Carrying case and Charger 2. Sampling probe with pump (optional) |
| Humidity | : | 5% to 90% non-condensing |
| External dimension | : | 225 X 106 X 40 mm Approx. |
| Weight | : | Approx. 600gms with battery |
| Approvals | : | CMRI, PESO, |

GASES AND RANGES

| | | | | | | | | | | | |
|----------------------|---|----------------|-----|---------------------|---|---------------|------|-----------------------------|---|-------------|------|
| 01. CO | : | 0-500 / 0-2000 | PPM | 05. NO | : | 0-10 / 0-2000 | PPM | 09. HBr | : | 0-5 / 0-200 | PPM |
| 02. NH ₃ | : | 0-100 / 0-500 | PPM | 06. SO ₂ | : | 0-20 / 0-2000 | PPM | 10. H ₂ | : | 0-1000 | PPM |
| 03. CL ₂ | : | 0-10 / 0-50 | PPM | 07. O ₂ | : | 0-25 | %V/V | 11. HC /LPG /H ₂ | : | 0-100 | %LEL |
| 04. H ₂ S | : | 0-200 | PPM | 08. NO ₂ | : | 0-200 / 0-500 | PPM | | | | |

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