PORTABLE FLUE GAS MONITOR

**Features**
- Portable Flue Gas Monitor detects smallest leak on service line & joints
- Digital display of GC* on the 128 mm x 64 mm Graphic LCD with button ON/OFF option.
- Easy handling & programming with 4 keys
- Password protected function menu • Power supply with rechargeable battery
- Low, High configurable alarms with Audio & Visual alerts • Small & Light in weight
- Plug-in sensor provides a full year of warranted protection against hazardous gases
- Built-in audio buzzer • Accommodate up to eight sensors
- Software calibration totally through keyboard
- Optional Data logging facility with 50000 records & visible in ASCII format while downloading in the PC through USB interface
- Battery status indication on the LCD display with Battery charging LED indication
- Gas concentration display in % V/V pr % LEL or PPM or PPB

**Applications**
- Refineries & Petrochemical plants including offshore drilling & plant shutdowns
- Waste water treatment plants
- Steel mills
- Pulp & Paper Industry
- Personal Monitoring
- Leak detection
- Incoming cylinder inspection
- Emergency response
- Equipment maintenance
- Pre-entry check and Quality control
- Process or emission gas analysis

**TECHNICAL SPECIFICATIONS**

**Over all Gas range**

<table>
<thead>
<tr>
<th>Gas Name</th>
<th>Type</th>
<th>Range</th>
<th>Resolution</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Dioxide</td>
<td>NDIR*</td>
<td>0.0 to 10.0% V/V</td>
<td>0.1</td>
<td>± 10% of Reading</td>
</tr>
<tr>
<td>Oxygen</td>
<td>EC</td>
<td>0.00 to 25.00% V/V</td>
<td>0.01</td>
<td>±2% OF F.S.</td>
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<tr>
<td>Nitrogen Oxides</td>
<td>EC</td>
<td>0 to 4000 ppm</td>
<td>1</td>
<td>±2% OF F.S.</td>
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<tr>
<td>Sulphur Oxides</td>
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<td>Carbon Monoxide</td>
<td>EC</td>
<td>0 to 10000 ppm</td>
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<td>±3% OF F.S.</td>
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**General**

Detection Method : Suction
Display : LCD with settable backlight
Set Point : Two independent set points, AL1 & AL2 with LED indication facility only
Setting : Setting by 3 keys on front panel i.e. (SET, SHIFT/ACK, INCR) and one key for Power ON/OFF
Alarm Warning : Integrated Buzzer & Vibrator

**Output Signal**

Optional : Optional Data logging facility with 50000 records & visible in ASCII format while downloading in the PC through USB interface
Error Condition : Over / Open Range indication on LCD
Download : Through USB interface using Terminal

**Environmental**

Operating Temp. : -10°C ≤ Ta ≤ +55°C
Storage Temp. : -10°C ≤ Ta ≤ +60°C
Humidity : Below 95% RH, Non condensing

**Accessories**

- User Manual
- Battery charger / adaptor (IN=230Vac, 50Hz / OUT = 5Vdc, 1A
- Gas Sampling Hose : PVC/Silicon Std. Length : 2m; Above 2m available on request

**Enclosure Details**

Material : M.S. housing with powder coating of EPOXY or PP Grade
Size : 260 mm x (L) x 220 mm (D) x 135 mm (H)
Weight : 2.2 kg max

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