FORMALDEHYDE GAS DETECTOR

Gas Detection For Life

Model FP-30

Features

• Simple operation
• Specific to Formaldehyde
• Built-in sample draw pump
• Easy to read LCD display
• Self-diagnosis
• Uses photoelectric photometry technology
• Direct digital readout
• Colorimetric detection tablet method
• No false readings from interfering gases
• Operates on 4 AA alkalines
• Stores 99 readings
• No warm up time

Applications

• Furniture and woodworking
• Coating and varnishing
• Engineered wood products
• Medical / veterinary
• Painting & corrosion resistant finishes
• Carpet manufacture & storage
• Adhesives
• Heat treatment operations
• RV/Trailer/mobil home inspecting

This highly sensitive portable gas detector uses photoelectric photometry method with colorimetric detection tab. The sample drawing rate is controlled by a microprocessor. The FP-30 and has a direct readout of measurement value on an LCD display. The Model FP-30 can detect the new World Health Organization level of 0.08 ppm average for 30 minutes.

Detection Ranges

30 minute sample 0 - 0.4 ppm (0.005 ppm/digit)
15 minute sample 0 - 1.0 ppm (0.01 ppm/digit)
### Detection gas
- **Formaldehyde (HCHO) in air**

### Detection range
- **0-0.4 ppm (0.005ppm/digit)**
- **0-1.0 ppm (0.01 ppm/digit)**

### Detection time
- **30 minutes (1,800 sec.)**
- **15 minutes (900 sec.)**

### Detection principle
- **Photoelectric photometry method**

### Detection method
- **Colorimetric tablet method (accumulating measurement)**

### Accuracy
- ± 10% of reading or ± 5% of full scale (which ever is greater)

### Display
- **Digital LCD**

### Sampling method
- Sample drawing with built-in pump

### Operating conditions
- -10 ~ 40°C (14 ~ 104°F), below 90%RH

### Memory
- Detection point: Up to 99 points (automatic recording at the completion of measurement)

### Self-diagnosis
- Failure of light source and light receiver, low battery voltage, pump failure, system trouble

### Power Source
- AA size Alkaline batteries (quantity 4)

### Continuous Operation
- Approximately 12 hours (with no alarm or backlight, with alkaline batteries at 20°C)

### Dimension
- Approx 85(W) x 190(H) x 40(D)mm, 3.35(W) x 7.48(H) x 1.57(W),

### Weight
- 500g, 17.6 oz

### Standard Accessories
- - Detection TAB (20 pcs/pack) **
- - Carrying case
- - AA size alkaline batteries
- - Operating manual

### Warranty
- One year material and workmanship

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### Interference against other gases (typical)

<table>
<thead>
<tr>
<th>Test Gas</th>
<th>Concentration</th>
<th>Reading</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>1.0 vol.%</td>
<td>0 ppm</td>
</tr>
<tr>
<td>Benzene</td>
<td>1.0 vol.%</td>
<td>0 ppm</td>
</tr>
<tr>
<td>Acetaldehyde</td>
<td>100 ppm</td>
<td>0 ppm</td>
</tr>
<tr>
<td>Carbon monoxide</td>
<td>50 ppm</td>
<td>0 ppm</td>
</tr>
<tr>
<td>Carbon dioxide</td>
<td>1.0 vol.%</td>
<td>0 ppm</td>
</tr>
<tr>
<td>Ammonia</td>
<td>25 ppm</td>
<td>0 ppm</td>
</tr>
<tr>
<td>Acetone</td>
<td>1.0 vol.%</td>
<td>0 ppm</td>
</tr>
</tbody>
</table>

### Field Test Verification Data

<table>
<thead>
<tr>
<th>Measurement Place</th>
<th>FP-30</th>
<th>DNPB method*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interior</td>
<td>0.020 ppm</td>
<td>0.025 ppm</td>
</tr>
<tr>
<td>Locker</td>
<td>0.030 ppm</td>
<td>0.03 ppm</td>
</tr>
<tr>
<td>Furniture</td>
<td>0.040 ppm</td>
<td>0.05 ppm</td>
</tr>
</tbody>
</table>

* Dinitrophenylhydrazine detection method

** Please note: Detection tabs have a 6 month shelf life. They must be stored in a refrigerator (37°F-50°F, 3-10°C)

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**Note:** Specifications subject to change without notice.

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**Authorized Distributor:**

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