

# FP-31

## Portable Formaldehyde Gas Detector

- Easy to read LCD display
- Easy operation
- Self diagnosis
- Less interference with other gases
- Measures 0.005 ppm
- No warm-up time
- Available download to PC
- Resolutions 0.005 ppm
- Read-out of sample in 30 minutes



### OVERVIEW

The portable formaldehyde gas detector model FP-31 is a precision gas analyser which measures gases in the ppm range using photoelectric photometry method with chlorimetric detection tabs. This device is a highly sensitive portable instrument with an easy to read LCD display. The unit is capable of detecting very low levels of formaldehyde, in order to confirm if an area contains safe breathing levels.

### APPLICATIONS

- Furniture and woodworking
- Coating and varnishing
- Engineered wood products
- Medical / veterinary
- Painting & corrosion resistant finishes
- Carpet manufacture & storage
- Adhesives
- Heat treatment options
- Mortuary



<b>Detection gas</b>	Formaldehyde (HCHO) in air	
<b>Detection range</b>	TAB No.008 0-0.4 ppm	Tab No.009 0-1.00 ppm
<b>Detection time</b>	30 min. (1,800 sec)	15 min. (900 sec)
<b>Resolution</b>	0-005 ppm	0.01 ppm
<b>Detection principle</b>	Photoelectric Photometry method	
<b>Detection method</b>	Colorimetric tablet method (Accumulating measurement)	
<b>Display</b>	Digital LCD	
<b>Sampling method</b>	Sample drawing with built-in pump	
<b>Operating conditions</b>	10°C +40°C, below 90%RH (non-condensing)	
<b>Memory</b>	Detection point: Up to 99 points (automatic recording at completion of measurement)	
<b>Self-Diagnosis</b>	Sensor failure, Pump failure, Battery error, System failure	
<b>Power Source</b>	AA size Alkaline batteries (4pcs)	
<b>Continuous operating time</b>	Approx 12 hours (with no alarm or backlight, with alkaline battery at 20°C)	
<b>Dimensions</b>	Approx 8cm (W) x 15cm (H) x 4cm (D)	
<b>Weight</b>	Approx 250g without dry-cell battery	
<b>Standard Accessories</b>	<ul style="list-style-type: none"> <li>• Detection TAB (20 pcs/pack)</li> <li>• AA size alkaline batteries</li> <li>• Attachment for tripod stand</li> <li>• Operating manual</li> <li>• Inspection certificate</li> </ul>	
<b>Optional Accessories</b>	<ul style="list-style-type: none"> <li>• Data logger software</li> <li>• Filter</li> </ul>	

Interference Against Other Gases (typical)		
Test Gas	Concentration	Reading
Toluene	1.0% vol	0 ppm
Benzene	1.0% vol	0 ppm
Acetoaldehyde	100 ppm	0 ppm
Carbon Monoxide	50 ppm	0 ppm
Carbon Dioxide	1.0% vol	0 ppm
Ammonia	25 ppm	0 ppm
Acetone	1.0% vol	0 ppm

