



## 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 use 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)**



Tab

# Model FP-30

<b>Detection gas</b>	Formaldehyde (HCHO) in air	
<b>Detection range</b>	0-0.4 ppm (0.005ppm/digit)	0-1.0 ppm (0.01 ppm/digit)
<b>Detection time</b>	30 minutes (1,800 sec.)	15 minutes (900 sec.)
<b>Detection principle</b>	Photoelectric photometry method	
<b>Detection method</b>	Colorimetric tablet method (accumulating measurement)	
<b>Accuracy</b>	± 10% of reading or ± 5% of full scale (which ever is greater)	
<b>Display</b>	Digital LCD	
<b>Sampling method</b>	Sample drawing with built-in pump	
<b>Operating conditions</b>	-10 ~ 40°C (14 ~ 104°F), below 90%RH	
<b>Memory</b>	Detection point: Up to 99 points (automatic recording at the completion of measurement)	
<b>Self-diagnosis</b>	Failure of light source and light receiver, low battery voltage, pump failure, system trouble	
<b>Power Source</b>	AA size Alkaline batteries (quantity 4)	
<b>Continuous Operation</b>	Approximately 12 hours (with no alarm or backlight, with alkaline batteries at 20°C)	
<b>Dimension</b>	Approx 85(W) x 190(H) x 40(D)mm, 3.35(W) x 7.48(H) x 1.57(W),	
<b>Weight</b>	500g, 17.6 oz	
<b>Standard Accessories</b>	<ul style="list-style-type: none"> <li>• Detection TAB (20 pcs/pack) **</li> <li>• Carrying case</li> <li>• AA size alkaline batteries</li> <li>• Operating manual</li> </ul>	
<b>Warranty</b>	One year material and workmanship	

## Interference against other gases (typical)

Test Gas	Concentration	Reading
Toluene	1.0 vol.%	0 ppm
Benzene	1.0 vol.%	0 ppm
Acetaldehyde	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

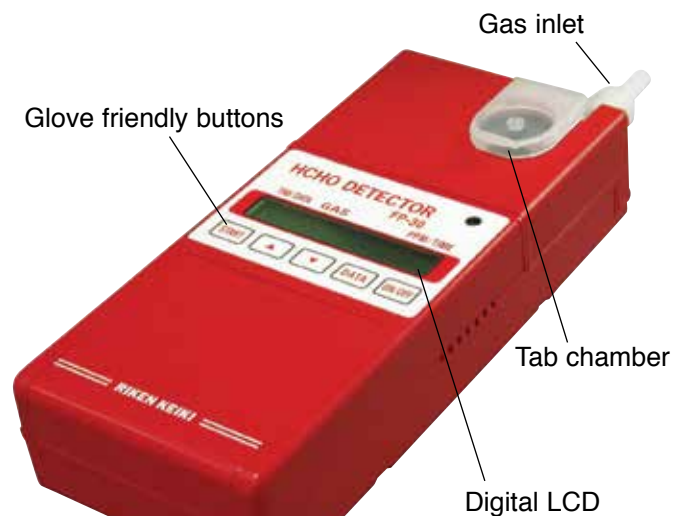
## Field Test Verification Data

Measurement Place	FP-30	DNPH method*
Interior	0.020 ppm	0.025 ppm
Locker	0.030 ppm	0.03 ppm
Furniture	0.040 ppm	0.05 ppm

\* 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)

Note: Specifications subject to change without notice.



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