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 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

Detection gas	Formaldeyde (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 ~ 40ºC (14 ~ 104ºF), 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	

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

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 referigerator (37°F-50°F, 3-10°C)

Note: Specifications subject to change without notice.

Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.

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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.