



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 | 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 | <ul style="list-style-type: none"> • 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 |
| 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 |

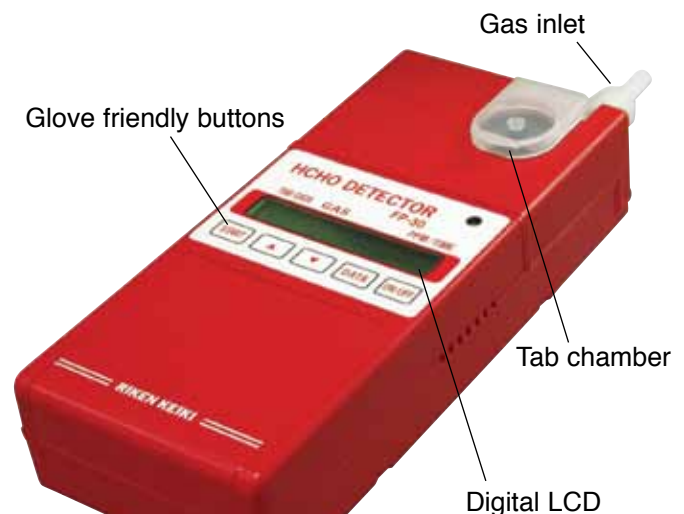
Field Test Verification Data

| 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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