

# RIKEN

## Highly Sensitive! FORMALDEHYDE GAS MONITOR

We detect the new World Health Organization level of 0.08 ppm average for 30 minutes.

Model **FP-250FL**

Photoelectric photometry method with detection tape



Gas detection  
Cassette tape

### Features

- Highly reliable detection with excellent gas selectivity
- Consecutive monitoring for room environment pollution
- Easy tape replacement with cassette style tape
- Tape remaining display
- Optional recorder available

### Application

- Room environment monitoring in new houses
- Inside monitoring of furniture and interior
- Room environment monitoring in new cars
- Particle board and other building materials
- Room environment monitoring in museums



**RIKEN KEIKI**

**What is Formaldehyde ?**

Formaldehyde is a carcinogenic chemical that is used in glues, deodorants, and many products where quick drying properties are required.

It is also used in hospitals as preserving agent. The World Health Organization has set a standard of 0.08 ppm Average for 30 minutes, and the ACGIH has set a ceiling exposure value of 0.3 ppm.

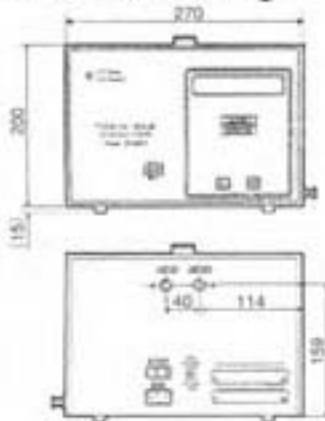
Formaldehyde affects residents of new homes or offices, and is considered as one cause of "SICK BUILDING SYNDROME".

\*SICK BUILDING SYNDROME is when residents in new buildings feel dizzy or nauseous. Sometimes it can also cause a skin rash, cough, and liver or kidney damage.

**Specifications**

Type	Desk top type, "Transportable" FP-250FL	
Detection principle	Photoelectric photometry method using tape cassette	
Detection tape	Cassette tape (FT-111)	
Detectable gases	Formaldehyde	
Measuring range	0~1.00 ppm	
Measuring cycle	30 minutes per cycle	
Sampling flow rate	1300~1500ml/min at sample inlet	
Sample tube	Upto 2 meters in length	
Lower detectable level	0.01 ppm	
Alarm preset point	2 step, warning and alarm	
Alarm function	Type	Latching or self reset
	Display	Lamp (warning-yellow, alarm-red) and buzzer
Self-diagnosis	Flow fail, tape end warning, trouble with light detection section	
External output signal	4-20mA DC (non-isolated), 0-1V DC	
Operating temperature & humidity	10°C~30°C 30%~90% RH	
Gas inlet	Outer $\phi$ 6mm with fitting	
Power supply & Power consumption	100VAC/115VAC, 50/60Hz, 20VA	
Dimensions (in.) & weight (lb.)	Approx106(W)×78(H)×141(D),(in.) Approx 5(lb.)	

**External drawing**



**LCD display (For example)**



(Measurement)



(Alarm)



(Display of measurement value)



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