

HIGH SENSITIVITY FORMALDEHYDE GAS MONITOR

FP-330 Model

RKI's paper tape monitors utilize highly sensitive colorimetric tapes to achieve interference free gas detection. The FP-330 is equipped with an easily replaceable tape that is highly specific to Formaldehyde. This model is equipped with a digital display showing the type of gas and concentration in PPM. The FP-330 will also display remaining tape life as well as an end of tape alarm.

The FP-330 has audible and visual alarms, as well as alarm relay contacts and 4-20mA output. A unique "Tape Saver mode" extends tape life in applications where high background gas levels may be present.

The FP-330 meets and exceeds OSHA and NIOSH compliance requirements, and does not respond to interfering gases (hydrocarbons, alcohols, solvents, CO, etc.) that may be present in industrial/manufacturing environments.

Features

- Small and compact
- Highly sensitive and ideal for low level formaldehyde concentrations
- Interference-free detection
- Easy detection tape replacement with plug in cassette
- Tape remainder display and tape end warning alarm provided
- PPM digital display
- Easily transportable
- 115 VAC powered
- Alarm relays
- 4-20mA output

Applications

- Furniture and woodworking
- Coating and varnishing
- Engineered wood products
- Medical / veterinary
- Painting & corrosion resistant finishes
- Carpet manufacture & storage
- Adhesives
- Heat treatment operations
- Manufactured homes/trailer/RV inspection



FP-330 Model			
Model	FP-330 HCHO 0 - 0.500 ppm	FP-330 HCHO 0 - 1.00 ppm	FP-330 HCHO 0 - 5.00 ppm
Detection principle	Photoelectric photometry method using tape cassette		
Detection tape	Plug in cassette, 65-FCL-018		
Detection gas	Formaldehyde (HCHO)		
Detection range	0.030 to 0.500 ppm	0.05 to 1.00 ppm	0.3 to 5.00 ppm
Alarm point	1st 0.080 ppm, 2nd 0.300 ppm	1st 0.17 ppm, 2nd, 0.33 ppm	1st 0.8 ppm, 2nd 1.7 ppm
Alarm operation	Latching alarm (standard) or non-latching (option) Lamp : Caution = Yellow, Alarm = Red, with buzzer		
Zero suppression	0.030 ppm	0.05 ppm	0.3 ppm
Measuring cycle	1800 seconds (30 minutes)	600 seconds (10 minutes)	180 seconds (3 minutes)
Resolution	0.005ppm	0.01 ppm	0.1 ppm
Flow rate	450ml/min. (nominal)		
Max. tubing length	2m (teflon only)		
Accuracy	+/-20% of indication value + 1 digit		
Tape operation time	1 month with no background gas. (see note below)		
Alarm Indication	Warning and alarm with audible and visual indications		
Self-diagnosis	Low flow, tape cut, sensor failure, etc.		
External output signal	4-20mA (load resistance: below 300 Ω)		
Operating temperature & humidity	5~35 °C 20~60% RH (non condensing)		
Gas inlet/outlet	OD 6mm with fittings		
Power supply & power	100VAC to 220VAC universal power, +/-10%		
Dimensions & weight	Approx. 6.5"(W) x 7.8"(H) x 10.4"(D) Approx. 12.125lb 164 (W) x 198 (H) x 263 (D) mm, 6.5kg approx.		

When HCHO exists in the background continuously over 0.03 ppm, the tape on FP-330 advances after every measurement, so the tape is consumed very quickly. In this case, to extend operating time, the Tape Saver mode is provided on the FP-330.

Tape Saver mode is available for all three ranges;

0H: Normal operation.

1H: One measurement during one hour. Tape lasts 15 days with constant background level.

2H: One measurement during two hours. Tape lasts 30 days with constant background level.

Specifications subject to change without notice.