



INSTRUMENTS

# HIGH SENSITIVITY FORMALDEHYDE GAS MONITOR

Gas Detection For Life

FP-301FL Model



## Features

- Small and compact
- Highly sensitive and ideal for low gas 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

RKI's paper tape monitors utilize highly sensitive colorimetric tapes to achieve interference free detection at low PPB and PPM levels of a wide variety of gases. The FP-301FL 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-301FL will also display remaining tape life as well as an end of tape alarm.

The FP-301FL 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.

# FP-301FL Model

Model	FP-301FL
Detection principle	Photoelectric photometry method using tape cassette
Detection tape	Plug in cassette
Detection range	0 - 1.0 ppm
Accuracy	Within +/- 10% +1 of indication
Tape operation time	1 month with no alarm. Tape remainder display, tape end warning
Alarm functions	Latching comes standard or self reset. Lamp (Caution: Yellow, Warning: Red) and buzzer
Self diagnosis	Sensor failure, low flow, tape failure, Tape end warning, Failure of tape setting, system error
External output signal	4-20mA (300 $\Omega$ at maximum load resistance)
Operating temperature & humidity	5~35°C 30~90% RH (non condensing)
Power supply & power	24VDC +/- 10% for panel mounting 100 VAC, 110 VAC, 117 VAC, 220 VAC for desktop
Dimensions & weight	Panel mounting: Approx. 6.5(W) x 6.5(H) x 10.3(D) Approx. 14.33lb Desktop: Approx. 6.5(W) x 7.8(H) x 10.4(D) Approx. 12.125lb

Specifications subject to change without notice.



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