



### 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

These highly sensitive portable gas detectors use photoelectric photometry method with colorimetric detection tab. The sample drawing rate is controlled by a microprocessor. Both the FP-30 and FP-40 have 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.

### FP-30 Detection Ranges

30 minute sample 0 - 0.4 ppm (0.005 ppm/digit)

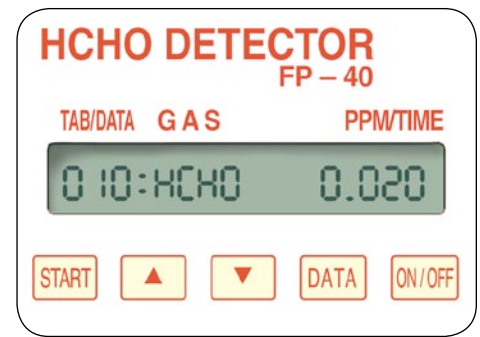
15 minute sample 0 - 1.0 ppm (0.01 ppm/digit)

### FP-40 Detection Ranges

3 minute sample 0 - 0.6 ppm (0.01 ppm/digit)



Tab



LCD Display

# Model FP-30 / FP-40

| Model                | FP-30   |                                   | FP-40                |
|----------------------|---|-----------------------------------|----------------------|
| Detection gas        | Formaldehyde (HCHO) in air  |                                   |                      |
| Detection range      | 0-0.4 ppm<br>(0.005ppm/digit)   | 0-1.0 ppm<br>(0.01 ppm/digit)     | 0-0.6 ppm            |
| Detection time       | 30 minutes (1,800 sec.)   | 15 minutes (900 sec.)             | 3 minutes (180 sec.) |
| Detection principle  | Photoelectric photometry method   |                                   |                      |
| Detection method     | Colorimetric tablet method (accumulating measurement)   |                                   |                      |
| Accuracy             | +/- 10%   |                                   |                      |
| Display              | Digital LCD   |                                   |                      |
| Sampling method      | Sample drawing with built-in pump   |                                   |                      |
| Operating conditions | -10 ~ 40°C (14 ~ 104°F), below 90%RH  | 5 ~ 35°C (41 ~ 95°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"> <li>• Detection TAB (20 pcs/pack) **</li> <li>• Carrying case</li> <li>• AA size alkaline batteries</li> <li>• Operating manual</li> </ul> |                                   |                      |
| 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 one year 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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33248 Central Avenue, Union City, CA 94587

Toll Free: (800) 754-5165 • Phone: (510) 441-5656 • Fax: (510) 441-5650  
mail4rki@rkiinstruments.com • www.rkiinstruments.com

## Authorized Distributor:

**COLL**  
HEALTH AND SAFETY INC.

15 - 145 Traders Blvd. East  
Mississauga, ON L4Z 3L3  
p: 905 625 3994 f: 905 625 6684  
t: 1.800.267.9317 e: bruce@collhealth.com  
w: [www.collhealth.com](http://www.collhealth.com)