



Model 375P-336 Waste Monitor

- * Plastic Scintillation Detectors
- * Microprocessor Based Electronics
- * Audible and Visual Alarm Indicators

System Includes:

- * 1 ea. Model 375 Electronic
- * 2 ea. 168 in³ (2753 cm³) Plastic Detectors with 25 ft (7.6 m) cables
- * 1 ea. 10 μ Ci Check Source

Data Output: 9 pin connector providing RS-232 output, signal ground connection, FAIL and ALARM signals (*current sink*), and direct connection to battery and ground

Power: 95 - 135 VAC (178 - 240 VAC available) 50 - 60 Hz single phase (*less than 100mA*), 6 volt sealed lead-acid rechargeable battery (*built in*)

Battery Life: Typically 48 hours in non-alarm condition; 12 hours in alarm condition

Battery Charger: Battery is continuously trickle charged when instrument is connected to line power and turned on

Construction: Aluminum housing with ivory powder coat paint

Temperature Range: 5°F(-15°C) to 122°F(50°C); may be certified to operate from -40°F(-40°C) to 150°F(65°C)

Size: Electronics: 10.3 in H x 9.7 in W x 3.3 in D

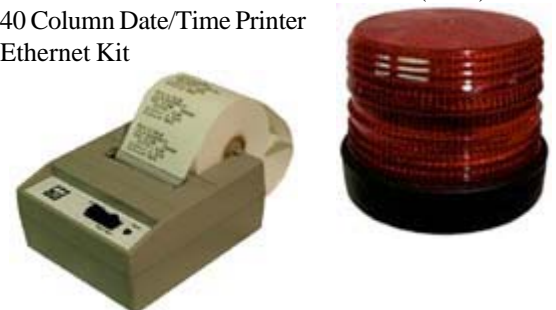
Detectors (ea): 41 in H x 6.75 in W x 2.125 in D
Plastic: 28 in H x 4 in W x 1.5 in D

Weight: Electronics: 9.3 lbs (4.2 kg)

Detectors (ea): 23.5 lbs (10.7 kg)

Optional Accessories

- * 5 in diameter red alarm strobe with 50 ft (15 m) cable
- * 40 Column Date/Time Printer
- * Ethernet Kit



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Indicated Use: Area Monitoring

Detector: 2 each 168 in³ plastic scintillation detectors

Display: 4 digit LED display with 0.8 in (2 cm) digits

Range: 0.1 - 9999 kcps

Linearity: Reading within $\pm 10\%$ of true value with detector connected

Response: Typically 3 seconds from 10% - 90% of final reading

Status: (*green light*) instrument functioning properly

Sigma Alarm: Indicated by red ALARM light and audible tone (can be set at any point from 0.0 - 9999 kcps)

Sum Alarm: Indicated by red ALARM light and audible tone (can be set at any point from 0.0 - 9999 kcps)

NOTE: Audible alarm indicators can be configured as a single beep if desired.

Det Fail: (*red light and audible tone; greater than 68 dB at 2 ft*) indicates detector overload, no count from detector, or instrument failure

Low Bat: (*yellow*) indicates less than 2 hours of battery power remaining

Overload: Senses detector saturation (*indicated by display reading "-OL-"*)

Overrange: Indicates radiation field being measured has exceeded counting range of instrument (*indicated by display reading "____"*)

Relay Output: Mains (120 or 280 VAC) output on alarm

Calibration Controls: Accessible from front of instrument (*protective cover provided*)