DETECTION

LUDLUM MEASUREMENTS, INC.

Model 375-600

Digital Radition Monitor

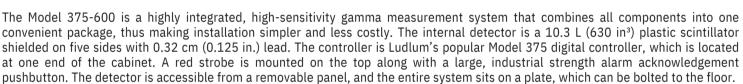
Features

- Integrated Measurement System
- Internal Scintillator Detector
- User-Programmable Alarm Settings
- Highly Visible Red Strobe Alert
- Audio and Visual Alarms
- Networkable, Requires Ethernet or

Webpage Option

8-Hour Battery Backup

Introduction



Specifications

Part Number: 48-3458 DETECTOR: internal 10.3 L (630 in³) lead shielded plastic

scintillator, Dimensions: 38 x 71 x 3.8 cm (15 x 28 x 1.5 in.) SENSITIVITY: typically 30 kcpm per µR/hr (137Cs) SHIELDING: 0.32 cm (0.13 in.) lead, on five sides DISPLAY: 4-digit LED display with 2 cm (0.8 in.) digits DISPLAY RANGE: 000.0 to 9999 **DISPLAY UNITS:** kcpm (other units available upon request) LINEARITY: reading's within 10% of true value with detector

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RESPONSE: typically 3 seconds from 10% to 90% of final reading

INDICATORS:

- STATUS: green light indicates instrument functioning properly
- LOW ALARM: yellow LOW ALARM light and slow beep, can be set at any point from 0.0 to 9999
- HIGH ALARM: red HIGH ALARM light and fast beep, can be set at any point from 0.0 to 9999
- SIGMA ALARM (optional): red light and rapid beep
- DET FAIL: red light and audible tone, indicates detector overload, no count from detector, or instrument failure
- LOW BAT: yellow light, indicates less than 2 hours of battery power remaining

• OVERLOAD: "-OL-" display and audible FAIL alarm indicates detector saturation

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• OVERRANGE: "- - - -" display and activated low and high alarms

indicates measured radiation field has exceeded the counting

AUDIO: Intensity varies from approx. 69 dB to 100 dB through operation of the external rotary baffle and the internal voltage connection. Frequency is approx. 3 kHz.

CALIBRATION CONTROLS: accessible from the front of the instrument (protective cover provided)

REMOTE (optional): Ludlum Model 271 or Model 272 DATA **OUTPUT:** 9-pin connector for 5-decade log output, RS-232 output, signal ground connection, DET FAIL and HIGH ALARM signals, and direct connection to battery and ground.

POWER: 95 - 135 Vac (178 - 240 Vac available), 50 - 60 Hz single phase, 6 volt sealed lead-acid rechargeable battery (built-in) **BATTERY LIFE:** typically 8 hours in non-alarm condition **BATTERY CHARGER:** battery is continuously trickle-charged

when instrument is connected to line power and turned on **CONSTRUCTION:** steel housing with aluminum door, ivory powder coat finish

TEMPERATURE RANGE: -20 to 50 °C (-4 to 122 °F), may be certified for operation from -40 to 65 °C (-40 to 150 °F) **SIZE:** 61 x 91.5 x 30.5 cm (24 x 36 x 12 in.) (H x W x D) **WEIGHT:** 60.8 kg (134 lb)

Options: Various options are available for Model 375 systems, including remote displays, alarm annunciators, signal output, and networking options. Visit our website to view the current list of available options.