



Model 375/2RT Radiation Therapy Area Monitor

The Model 375/2RT is a wall-mounted radiation monitor designed to meet the specific needs of radiation therapy. It is designed to operate continuously from an AC power line. In the event of power failure, the built-in, continuously trickle charged sealed lead acid battery automatically switches in to begin supplying power immediately; assuring interruption-free operation at all times.

The monitor features a dual range digital display of radiation rate, audible and visual alarms, low alarm and high alarm indicators, alarm setpoint adjustability over the entire range, and self diagnostic functions such as low battery, overrange, detector saturation and detector failure conditions. A green status light is a positive indication of normal instrument operation.

A flashing red light with 180° visibility and a red LED indicator next to the digital display provide the visual alarm. The audible alarm (which may be disabled with a switch) consists of a single short beep at the beginning of the alarm mode. Optional features include SI units and 220 V operation.

The optional Model 375 R remote alarm unit duplicates the alarm indication functions of the main unit at a remote location up to 1000 feet. It features a green status light, a red light for high alarm, and Sonalert for audible alarm with a disable switch. The remote unit is powered by the monitor. It is supplied with a 50-foot cable that carries both signals and power.

Features:

- ▶ Built-in rechargeable back-up battery
- ▶ Radiation rate indicated on a 4-digit LED display
- ▶ Alarm level may be preset in 0.1 mR/h increments
- ▶ Visual and audible alarm indication
- ▶ Audible alarm may be disabled

Specifications

Model 375/2RT Radiation monitor

Detector: internal GM tube
 Display: 4 digit, 2 cm high (0.8 in) LED
 Range: 0.1 to 999.9 mR/h (1 to 9999 μ Sv optional)
 Alarm: may be preset in 0.1 mR/h (1 μ Sv) increments
 Visual: red light
 Audio: Sonalert, single beep, may be disabled
 Data link: DB-9 connector provides RS-232 and 5-decade logarithmic output, FAIL signal, ALARM signal
 Battery: built-in 6-volt rechargeable battery supplies 48 hours of non-alarm use under line power failure conditions
 Power: 95 - 135 VAC, 50/60 Hz (178 - 240 VAC optional)
 Dimensions: 24.6 cm x 19 cm x 6.4 cm (9.7 in x 7.4 in x 2.5 in)
 Weight: 2.9 kg (6.5 lbs)

Model 375R Remote alarm unit

Alarm: red lamp indicates high alarm and circuit failure, Sonalert provides audio for high alarm and failure, toggle switch disables audio
 Status OK: green light indicates correct monitor operation
 Power: draws all power directly from Model 375/2RT
 Cable: 50 in length cable (up to 1000 ft available)
 Dimensions: 17.8 cm x 15.2 cm x 5.1 cm (7 in x 6 in x 2 in)
 Weight: 0.68 kg (1.5 lbs)

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