

Model 7008 RT Radiation Therapy Area Monitor

The Model 7008 RT 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 NiMH battery automatically switches in to begin supplying power immediately, assuring interruption-free operation at all times.

The monitor features a digital display of radiation rate, audible and visual alarms, and alarm indicator, 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 below 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.

The optional Model 7008 R remote alarm unit duplicates the alarm indication functions of the main unit. It features a green status light, a red light for high alarm, and Sonalert for audible alarm with a disable switch. It is supplied with a 50-foot cable.

Features

- ▶ Built-in rechargeable back-up battery
- ▶ Radiation rate indicated on an 8-digit LCD display
- ▶ Alarm level may be preset in 0.1 mR/h increments
- ▶ Visual and audible alarm indication
- ▶ Audible alarm may be disabled



Specifications

MODEL 7008 RT RADIATION MONITOR

Detector	Internal solid state detector
Display	8 digit, 12 mm high (0.5 in) LCD
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
Battery	Built-in rechargeable NiMH battery supplies 48 hours of non-alarm use under line power failure conditions. Low battery yellow LED on front panel.
Power	95–230 VAC, 50/60 Hz
Dimensions	19.4 cm x 11.5 cm x 6.8 cm (7.6 in x 4.5 in x 2.7 in)
Weight	0.7 kg (1.5 lbs)

MODEL 7008 R REMOTE ALARM UNIT

Alarm	Red lamp indicates, Sonalert provides audio for alarm and failure, toggle switch disables audio
Status OK	Green light indicates correct monitor operation
Power	12 VDC from main unit
Cable	50 ft length cable (other lengths available)
Dimensions	19.4 cm x 11.5 cm x 6.8 cm (7.6 in x 4.5 in x 2.7 in)
Weight	0.5 kg (1.0 lbs)