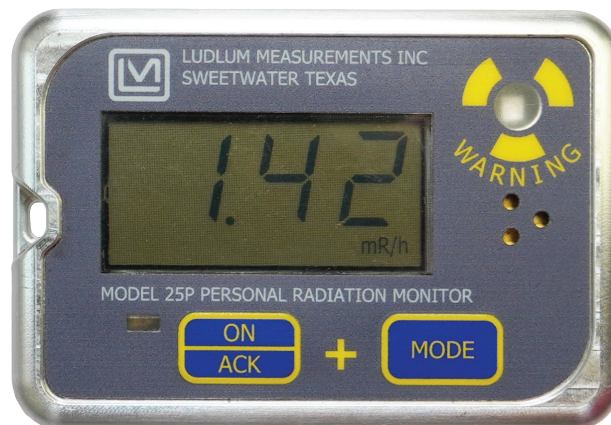


Model 25P Personal Radiation Monitor

Part Number: 48-4478

Features

- Calibrated Range: 2 mR/hr to 10.0 kR/hr
- Display Range: 0.01 mR/hr to 99.9 kR/hr
- Lightweight
- Rugged, Shockproof Construction
- Easy to Use
- Can Withstand Submersion in Water
- 100 Hour Battery Life
- Audible and Visual Alerts and Alarms
- Backlit LCD Display



Introduction

The Model 25P Personal Radiation Monitor is a small, rugged device designed to warn emergency response personnel of any dangerous radiation fields that they may encounter.

This easy-to-use instrument incorporates a proportional detector capable of measuring radiation fields from 2 mR/hr to 10.0 kR/hr. Units have been exposed up to 50 kR/hr with no saturation or fall-back. The proportional tube's sensitivity also allows for a fast two-second response time.

The Model 25P backlit LCD readout displays dose rate, accumulated dose, and time remaining to the dose limit. Visual and audible alarms can be set over the entire measurement range. No special equipment is required to either calibrate or set up operational parameters.

Specifications

DETECTOR: Internal energy-compensated proportional detector

ENERGY RANGE: 60 keV to 2 MeV

DISPLAY: 3½ digit backlit LCD. Displays time remaining from 19:59 to 00:01 (in hh:mm format).

CALIBRATED RANGE: Normally calibrated from 2 mR/hr to 10.0 kR/hr

DISPLAY RANGE: 0.01 mR/hr to 99.9 kR/hr, 0.01 mR to 9.99 kR

GAMMA RESPONSE: Typically 325 cpm per mR/hr

RESPONSE TIME: 2 seconds

ALERTS & ALARMS: Adjustable over entire display range. There are distinct alerts and alarms for exposure and accumulated dose.

LOSS OF COUNT NOTIFICATION: If no pulses are received from the detector in 60 seconds, instrument failure is indicated by an audible and visual alarm, and the display alternating between "0.0" and "F."

AUDIO: Built-in speaker (typically 95 dB at 0.3 m [1.0 ft])

CALIBRATION: Requires no tools or software when exposed to a traceable radiation field

TEMPERATURE RANGE: -40 to 65 °C (-40 to 150 °F)

POWER: 2 each AAA alkaline batteries

BATTERY LIFE: Typically 100 hours. Provides 8 hours warning of low battery.

CONSTRUCTION: Aluminum housing with sub-surface printed membrane front panel, completely gasketed for water resistance

ENVIRONMENTAL RATING: IP 67, operates in up to 1 meter of water

SIZE (H x W x L): 7.7 x 5.4 x 2.8 cm (3.04 x 2.1 x 1.1 in.)

WEIGHT: 189 g (6.6 oz), including batteries

Ludlum Measurements, Inc. P.O. Box 810, Sweetwater, Texas 79556

Web: <http://www.ludlums.com> **Tel:** 800-622-0828 / 325-235-5494 / **Fax:** 325-235-4672 / **Email:** sales@ludlums.com

Note: specifications subject to change without notification. We are not responsible for errors or omissions.