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Your Alternative
To The Obvious

Model 8900 Dosemeter / Exposure Time Meter w/Remote Sensor

Introduction

The Ludlum Model 8900 Dose Meter / Exposure Time Meter is specifically designed to measure x-ray dose. The instrument is used to measure the effective dose produced by diagnostic x-ray generators. The Model 8900 is a solid-state, digital instrument designed specifically for service personnel in assessing the performance of radiation generators and the effective dose delivered by the x-ray generator under specific test conditions. This instrument measures the amount of x-ray radiation delivered to a specific area and measures the length of an exposure. The Model 8900 can also be used for dental x-ray units, radiographic and fluoroscopic x-rays.

The Model 8900 automatically resets at the beginning of each exposure, holding the reading until the next exposure. There is no need to reset the meter before each measurement.

The Model 8900 is a small hand held battery operated unit. Each x-ray exposure is displayed on a 2x12 digit liquid crystal display (LCD). The operator can select between English (mR) and SI (uGy) units.

Radiation is detected by a solid state detector and electronic circuit. The instrument works for half-wave, full-wave, multiphase or DC (constant potential) x-ray generators. When a measurement is being made, the Model 8900 has the capability of automatically determining the type of x-ray that is being measured. It is not necessary for the user to program correction factors for different types of x-ray waveforms.

Features

- Measures x-ray dose
- Measures dose rate
- Measures exposure time
- Selectable English and metric units
- Works with AC or DC x-rays

- No need to set for AC/DC
- High accuracy
- Battery operated
- Solid state digital design
- Durable ABS plastic case

Specifications

Dose Range: 1 mR to 2000 mR
0.01mGy to 20 mGy
10uGy to 20000uGy

Accuracy: 3% +/- 1 mR
2% +/- 2 millisecond - 20 to 5000 mS

Battery Life: 9V Battery; 48 hrs continuous use; Typical use: 9 mos; Low Batter Indicator

Display: 0.21" (5.5mm) Liquid Crystal ; 2 line, 12 Character Alphanumeric

Size: 80 X 147 X 40 mm (3.15 X 5.8 X 1.6 inches)

Weight: 350g (0.81 lb)

Operating Conditions: +10° to 40° C (50° to 104° F); Storage 0°C to 50°C; Up to 75% relative humidity