

Dual-Diode Dosimeter Patient Dose Monitor

Nuclear Associates Model 37-720



- Provides instant patient data on radiation exposure to sensitive organs and rapid checks of equipment output
- Prevents the potential for misadministration
- Battery operated

Introduction

Excessive radiation exposure (misadministration) to the patient is always a matter of concern in radiation therapy. The Dual-Diode Dosimeter eliminates this concern by providing a dosimetry system specifically designed to verify the amount of radiation received by the patient during treatment.

Applications

Measurements are presented on a large digital display with a range of 0 to 2000 Rad or Rad/minute. The electrometer accepts either one or two diode detectors, which are selected using a front-panel switch. Calibration and zero adjustments, as well as dose or dose rate selection, are all readily accessible on the front panel.

While the Dual-Diode Dosimeter is not intended as a primary calibration device, it can also be used to accurately determine therapy machine output.

Features

- Prevents the potential for misadministration
- Provides instantaneous readings on the radiation dose being delivered to the patient
- Can qualify a facility for reimbursement under CPT-4 Section 77331 Special Dosimetry
- Is economical, highly accurate, and an essential instrument for today's busy facilities
- Designed for use with positive polarity diodes only

Specifications

Accuracy $\pm 5\%$

Reproducibility $\pm 5\%$

Range 0 to 2000 Rad or Rad/minute

Readout 0.50 inch high digits on display

Front controls On/Off, Dose/Rate, Detector A/Detector B, reset, Trimpots for Zero, and Calibration for Detectors A and B

Rear connections Detector A and B input

Power requirements 9 V battery or equivalent

Dimensions 6 (w) x 6.5 (d) x 2.75 in (h)
(15.24 x 16.51 x 7 cm)

Weight 2 lb (0.90 kg)

Optional accessories

Diode Detector Holder (Model 30-492): this 7 x 7 x 0.5 inch thick clear acrylic plate is routed to hold six diodes in a level, reproducible position during field measurements

Available model(s)

37-720 Dual-Diode Dosimeter Patient Dose Monitor

CE Tested. Meets applicable standards.

For more information, receive our full product catalog, or order online, contact **Radiation Management Services** business of **Fluke Biomedical**: 440.248.9300 or www.flukebiomedical.com/rms.

Specifications are subject to change without notice.

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