

Model AT-909 Dosimeter Charger



Ludlum Measurements, Inc.

Features

- Lightweight
- Easy to Use
- Dosimeter-Protecting Design
- Reading Light
- Automatically Removes Residual Static Charge for Better Accuracy
- Meets ANSI N42.6-1980
- Includes Dust Cap for Charging Terminal



Part Number 51-2938

Introduction

The Model 909 Dosimeter Charger is an easy-to-use device that is able to charge (zero out) any self-reading dosimeter. Its spring-loaded contact and mechanical design protects dosimeters from damage by excessive charging force. In addition, it automatically removes residual static charge from the dosimeter's charging pin each time a dosimeter is re-zeroed, thus eliminating

a significant source of error-causing fiber movement. The charger is constructed of rugged ABS plastic, and incorporates a reading light to enable direct reading of a dosimeter without the need to remove it or disconnect it. User directions are printed on the face of the instrument. A tethered dust cap for the charging pedestal is included.

Specifications

CONSTRUCTION: case is ABS plastic

CONTROLS: one-turn potentiometer
spring-loaded push rod

POWER: two "AA" batteries

TEMPERATURE RANGE: -18 to 49 °C (0 to 120 °F)

RELATIVE HUMIDITY: up to 90%

DIMENSIONS: 89 x 102 x 102 mm (3.5 x 4 x 4 in.) (H x W x L)

WEIGHT: 302 g (10.6 oz)

Options

Model AT-138: same as Model AT-725, but has a Range of 0–200 mR Part Number 51-2936

Model AT-138S: same as Model AT-725, but has a Range of 0–2 mSv Part Number 51-2937

Model AT-909: a compact, lightweight charger for direct reading dosimeters, uses two "AA" cell batteries, capable of recharging thousands of dosimeters Part Number 51-2938

Model The Charger: a compact, lightweight piezoelectric generator that can zero a variety of quartz and carbon fiber dosimeters, no batteries required Part Number 51-2940

Dosimeter Light: LED light that attaches to dosimeter permitting it to be more easily read in low-light conditions Part Number 51-2956