

Model The Charger Piezoelectric Dosimeter Charger

Radiation Detection for a Safer World



Ludlum Measurements, Inc.

Features

- Piezoelectric Generator
- No Batteries Required
- Lightweight
- Gold-Plated Brass Contacts
- Easy to Use



Part Number: 51-2940
(shown with pencil-type dosimeter
in position for charging)

Introduction

This dosimeter charger is an easy-to-use, hand-held device that is able to charge (zero out) a variety of quartz and carbon fiber dosimeters. A dosimeter is placed in the charger, where it is securely clamped for the charging process. Simply squeezing the lever a few times charges the dosimeter. A discharge button enables the user to adjust the dosimeter to read exactly on zero. This charger uses no batteries, and is ideal for field work.

Specifications

INDICATED USE: charging quartz or carbon fiber dosimeters

CONSTRUCTION: all metal parts are stainless steel, the charging contact is gold-plated brass

DISCHARGE BULB: flashing light to indicate instrument is operational

CLAMP: adjustable and self-locking

OPERATION: place dosimeter in clamping mechanism, squeeze trigger a few times, and adjust as required to acquire a reading of zero

POWER: 15000 volt Piezoelectric generator

TEMPERATURE RANGE: -20 to 50 °C (-4 to 122 °F)

RELATIVE HUMIDITY: 0 to 90%, ideally between 40 and 60%

DIMENSIONS: 152 x 108 x 22 mm (6 x 4.2 x 0.9 in.) (H x W x L)

WEIGHT: 245 g (8.6 oz)

Also Available

Model AT-138 Pencil Dosimeter: 0–200 mR direct reading of gamma and X-ray radiation Part Number 51-2936

Model AT-138S Pencil Dosimeter: 0–2 mSv direct reading gamma and X-ray radiation Part Number 51-2937

Model AT-725 Pencil Dosimeter: direct reading gamma and X-ray radiation 0–5 R Part Number 51-2939

Model AT-909 Dosimeter Discharger: A lightweight, easy-to-use, battery-powered dosimeter charger with a built-in light to enable reading of the dosimeter without the need to remove or disconnect it from the device. Part Number 51-2938

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