

# Model The Charger

## Piezoelectric Dosimeter Charger



Ludlum Measurements, Inc.

### Features

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

### 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.



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

### 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

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

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