



Model 138



Typical Graduated Scale  
(Enlarged View)

## Features:

- Lightweight pocket-size carbon-fiber electroscope design with sturdy metal pocket clip
- Thin-walled chamber for detecting exposure to Gamma and X-Ray radiation
- The low energy feature has hospital applications (fluoroscopy, portable radiography and angiography)
- The entire unit is hermitically-sealed and waterproof
- All models are available with a protective hard (sapphire) window to prevent the lens from being scratched
- Optional Dosi-Lite available in catalog



The Arrow-Tech Direct-Reading Dosimeter offers multiple Models/Ranges.

Model	Range
W138	0-200mR
W138-S	0-2mSv
W500	0-500mR
W500-S	0-5mSv
W720	0-2R
W725	0-5R
W725-S	0-50mSv
W730	0-20R
W735	0-50R
740	0-100R
742	0-200R
746	0-600R

"W" preceding the Model number denotes a Sapphire Window (recommended for use in harsh environments).

## Specifications:

**Radiation Detected:** Gamma and X-Ray from 16 keV to 6 MeV

**Ranges:** 0-200mR to 0-600R

**Detector:** Fiber electrometer mounted in an electrically conductive plastic ion chamber

**Detector Housing:** Very low permeability plastics hermetically-sealed

**Accuracy:** Within + or - 10% of true exposure

**Rate Response:** Dose rate independent for gamma and x-ray

**Electrical Leakage:** Less than 1.0% of full scale for 24 hours at 50 C

**Temperature Range:** -20 degrees C to + 50 degrees C

**Relative Humidity:** Up to 90%

**Dimensions:** Length: 4.5" (12.4 cm) Diameter .6" (1.5 cm)

**Weight:** 1.0 oz (25 grams)

**Warranty:** 2 year Limited Warranty

Manufactured to ANSI N13.5 & ANSI N322-1997

