

# SENSITIVE POCKET ALARMING RATE AND DOSE-METER

## Close to Background Alarm

Model # DSI-2



### FEATURES:

- DETECTS 10  $\mu$  R/hr (0.1  $\mu$  Sv/h) ABOVE BACKGROUND IN 2 SECONDS FOR BACKGROUND BELOW 0.02 Mr/h
- 99% CONFIDENCE: 4 Sigma
- BISMUTH GERMINATE SCINTILLATION CRYSTAL GIVES SIZE AND SENSITIVITY BREAKTHROUGH

**APPLICATION:** The **DSI-2** Precision Radiation Proximity analyzer is small with unprecedented sensitivity and accuracy. The **DSI-2** is designed specifically for use by inspectors and guards, police and hazmat squad to give warning in case of illicit or accidental storage or transport or radioactive material. Suitable uses are for shipment inspectors both in USA and overseas. Also power plants, environmental and industrial inspectors and steel mills. Also in hospitals, landfills and at customs entry and exit points. The **DSI-2** is also useful as  $\mu$  R/hr meter.

**GENERAL DESCRIPTION:** Small, portable gamma monitor with pocket or belt clip and D-Ring. Digital readout of  $\mu$  R/hr. Alarms on radiation level settable down to background level.

The **DSI-2** alarms at any of 99 preset levels. The **DSI-2** also accurately measures exposure rate. The dose is displayed continuously on the digital **LCD** display. When the alarm set-point is reached, the beep is continuous until it is reset (front panel button). The **DSI-2** circuitry is completely digital, thus eliminating the inaccuracy inherent in any analog circuit. Recessed and covered calibration control.

### DOSE-RATE INDICATOR: DSI-2 LCD DIGITAL

- Range:** 0-2000  $\mu$  R/hr.
- Energy Response:** Measures 60 KeV and above.
- Alarm levels:** 10-100  $\mu$  R/hr.
- Battery:** 9 volt transistor battery, EverReady #1222 or equivalent. 200 hour normal operating life at 10  $\mu$  R/hr.
- Accuracy:** Better than +/- 5% plus 1  $\mu$  R/hr. (Measured with Cs-137 gamma)
- Pocket or Belt Clip-Bolt:** Stainless spring steel clip for pocket or belt plus D-ring.
- Case:** Polished, anodized aluminum case.
- Dimensions:** 2.85" W x 6" L x 1.33" Thick + Belt Clip. (6.7cm x 15.2cm x 3.4cm)
- Weight:** 12 oz. (340 g), including battery.
- Shipping Weight:** 1.5 lb. (680 g).
- Optional Telescoping**
- Detector wand:** 1.5 meters Model # TP-1.5, 3 Meters Model # TP-3

**TA** TECHNICAL ASSOCIATES

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