

# SHORT PULSE X-RAY DOSE-METER

Model # PLS-XRAY



## FEATURES:

- 50 NanoSec pulses.
- 1-1,000 mR Total Dose
- Available down to 10 $\mu$ R
- Unique design.
- Accurate for long, short or continuous pulse

**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.

**APPLICATION:** Today's High Power, short pulse X-Ray Systems are **invisible** to conventional Dosimeters leaving worker workers unprotected safety in limbo. The **PLS-XRAY** Pulsed X-Ray Dosimeter is small with unprecedented sensitivity even for pulses down to 50 Nano Sec pulse width. The **PLS-XRAY** is designed specifically for use with narrow pulse X-ray sources used in Non destructive testing, NDT, physics, military and industrial research as well as medical uses, or anywhere that X-rays are used or generated both in USA and overseas. The **PLS-XRAY** is also useful as a wide range, wide energy survey meter and dosimeter.

The **PLS-XRAY** alarms at any of 99 preset levels. The **PLS-XRAY** 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 **PLS-XRAY** circuitry is completely digital, thus eliminating the inaccuracy inherent in any analog circuit. Recessed and covered calibration control.

## SPECIFICATIONS:

### DOSE-RATE INDICATOR: PLS-XRAY LCD DIGITAL

- Range:** 1-50,000 mR.
- Energy Response:** Measures 60 KeV and above.
- Alarm levels:** Adjustable alarm level per customer requirements.
- Battery:** 9 volt transistor battery, EverReady #1222 or equivalent  
200 hour normal operating life at 10  $\mu$  R/hr.
- 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)  
plus detector 1.5" dia x 7" long
- Weight:** 1lb including battery.
- Shipping Weight:** 2.5 lbs. (1 Kg).
- Optional**
- Detector wand:** 1.5 meters long, Model # TPF-1.5, 3 Meters long, Model # TPF-3  
Optional low energy response down to 20 KeV, high energy response up to 3 MeV or above.

**TA** TECHNICAL ASSOCIATES

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