



X-Ray Compliance Test Meter

Model: TBM-IC-XRAY with Built-in Detector

FDA Regulation 21 CFR1020.40 Mandates Exposure Rate Limit of 0.5 mR/h at 5 cm from X-Ray Systems as Measured with 10cm² Aperture

Features

- Ion Chamber – Air Equivalent
- One Hand Operation
- Digital Readout: 6 Digit-rate, 8 Digits Integrate
- Small Lightweight: 3 lbs with Sleeve
- Sees Axially X-Rays or Below 15 KeV Gamma
- Removable Sleeve Provides Omni Directional Detection Including Low X-Ray Energy Scatter
- Flat Energy Response

Application

- X-Ray Machines, TV, and Monitors
- Luggage and People Scanners.
- Provides accurate compliance testing of a wide variety of equipment.
- Protects the health and safety of airport and shipping personnel while they protect the public.

Description

- The **TBM-IC-XRAY** consists of an air-equivalent probe coupled to a stable solid state MOSFET input electrometer with built in A to D converter to read out directly in mR/h or mR.
- The **TBM-IC-XRAY** is small and light weight.
- Based on stable, essentially drift-free electrometer technology.
- Removable sleeve provides OMNI directional detection including low X-RAY energy scatter.

Specifications

- Detector: ION CHAMBER.
- Window: Light-tight 0.9 mg/cm² Mylar laminate.
10 sq cm area. 36 mm (1.4") dia.
- Readout: LCD 8 digits
- Indicator Light: **Green LED** 10 pulses/min per mR/h.
Red LED Over-range Indicator.
- Range: Rate 6 digits 0.1 mR/h to 10,000 mR/h in one range.
Integrate 8 digits 0.01 mR to 9.9R.
- Photon Energy
Range: 5 KeV - 3 MeV
- Energy Range: 15 KeV - 500 KeV ± 20%.
- TBM-IC-XRAY** can be re-optimized for use with higher energy emissions.



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