



All Gamma including Low Range and X-Ray Portable Ion Chamber

Model – TBM-IC-LR

Features

- Measures Down to Background
- Measures All Gammas Including Low Energy Gammas And X-Rays
- Sees Axially Below 5 Kev Gamma or X-ray
- Sees Alpha, Beta, Gamma, X-Ray
- Large Ion Chamber: 2,000 Cm³
- Digital Readout:
 - 8 Digit-rate, 8 Digits Integrate
- Wide Range: 0.01 Mr/hr To 1 R/hr
- Dose Rate and Total Dose Read Out
- Optional Serial Port for Data Download
- Lightweight; TBM Package
- Flat Response - Free Air Ion Chamber
- IP 64; CE Mark

Application

A fast, sensitive portable ion chamber for ALL Gammas including Low Energy Gammas and X-Rays.

The TBM-IC-LR is based on stable, essentially drift-free electrometer technology.

Description

- » A 5" dia x 7.5" long air ion chamber is coupled to a stable solid state MOSFET input electrometer.
- » The built in A to D converter reads out directly in mR/h or mR.
- » Rate Range is 0.01 mR/h to 1 R/h in a single range.
- » Dose Range is 0.05 µR – 100,000 µR in a single range.
- » 430 mg/cm² graphite lined methacrylate walls provide for accurate "air equivalent" response.
- » Chamber 2,000 cm³
- » Thin (0.5 mg/cm²) Mylar window allows high sensitivity readings for:
 - Alpha and Low Energy Betas such as C14
 - Low Energy Gammas and X-Rays
 - Higher Energy Betas and Gammas



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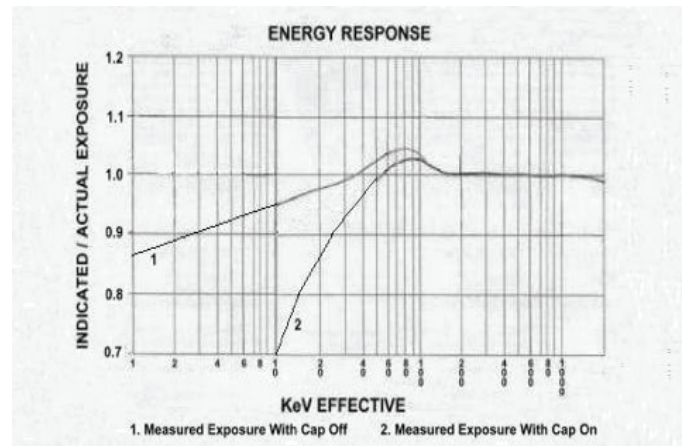
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Specifications

Detector:	Free Air ion chamber 5" dia x 7.5" long. Internal volume 2 liters.
Wall and Cap:	Methacrylate, graphite lined 430 mg/cm ² walls and 540 mg/cm ² cap.
Chamber:	2,000 cm ³
Window:	4" dia. x 0.5 mg/cm ² Mylar.
Readout:	LCD 8 digits.
Indicator Lamp:	Green LED 100 pulses/sec per mR/h. Red Over-Range Indicator.
Range:	Rate 8 digit 0.01 mR/h to 1 R/h in a single range. Integrate 8 digits 0.05 μ R – 100,000 μ R in a single range.
Electrometer:	Solid State MOSFET input.
Electronics:	A-D converter LCD drivers.
Batteries:	20 ea. (Button) NEDA CR-1220 - shelf life 7 years. 6 ea. (AA) NEDA 15A - 1000hr.
Weight and Dimensions:	
Dimensions:	14" L x 9" H x 5.8" W including handle.
Weight:	2.2 kg. complete with batteries.
Options:	Readout in Si units: μ Sv and μ Sv/h. Serial Port for Data Download



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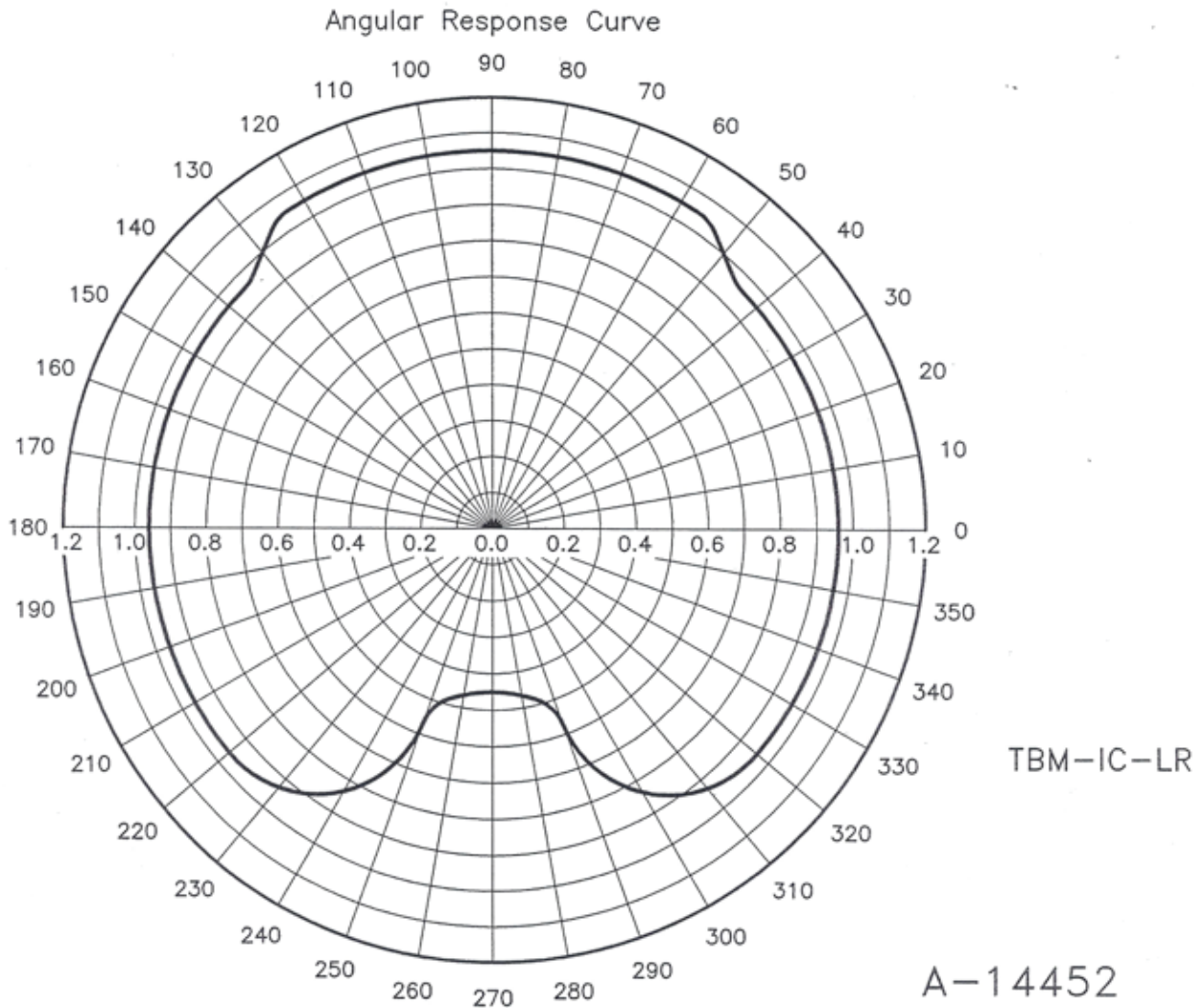
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