

# Wide Range Ion Chamber

## Model – TBM-IC-HLS

### Specifications

<b>Detector:</b>	Free Air ion chamber 3.7" dia x 6" long. Internal volume almost one liter
<b>Wall and Cap:</b>	Methacrylate, graphite lined 180 mg/cm <sup>2</sup> walls and 540 mg/cm <sup>2</sup> cap.
<b>Window:</b>	3.0" dia. x 0.5 mg/cm <sup>2</sup> Mylar.
<b>Readout:</b>	LCD 8 digits.
<b>Indicator Lamp:</b>	Green LED 10 pulses/sec per mR/h. Red Over-range Indicator
<b>Range:</b>	<ul style="list-style-type: none"><li>- Rate 8 digit 0.1 mR/hr to 1.000 R/h in a two ranges. – Dose Rate</li><li>- Integrate 8 digits 0.01 mR to 1,000 R. – Total Dose</li></ul>
<b>Electrometer:</b>	Solid State MOSFET input.
<b>Electronics:</b>	Solid State MOSFET input.
<b>Batteries:</b>	1 set of CR-1220 Lithium lasts for the shelf life 7 years. 6 ea. (AA) - 1000hr.

### Weight and Dimensions:

<b>Dimensions:</b>	6" x 4" x 12" including handle.
<b>Weight:</b>	28 oz. complete with batteries. 870 (grams)

### Options:

- » Readout in SI units: Sv and Sv/h.
- » Thicker chamber wall to 1g/cm<sup>2</sup>
- » Thin Cap same thickness as chamber side wall (180 mg/cm<sup>2</sup>).
- » Closed chamber (no mylar window).
- » Alarm light on mR/h- Rate Mode
- » RS-232 Serial Output

\*ANSI N42.33 Portable Radiation Detection Instrumentation for Homeland Security –  
Type 2 – Hazard Assessment



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