

# Digital Contamination Monitor

## Model – TBM-3SR-D

### Specifications

<b>Digital Display:</b>	Large 6 digit LCD
<b>Decades:</b>	4 decades
<b>Ranges:</b>	0.01 to 100.00 mR/h (0.1 $\mu$ Sv/h to 1.0 mSv/h)
<b>Display:</b>	8 Digit LCD Digital Dose Rate and Integrated Modes Eliminates the need for a Range Switch, and Auto Range
<b>Accuracy:</b>	$\pm$ 10%
<b>Switch Positions:</b>	On/Off Toggle, Rate to Integrate Button, Program Button
<b>Battery Test Switch:</b>	Toggle
<b>Detector:</b>	2" T-1190 "pancake GM tube
<b>Diameter:</b>	2 inches (5cm).
<b>Window Diameter:</b>	1-3/4 inches (4.5cm) Window Thickness: 1.5 mg/cm <sup>2</sup>
<b>Quench Gas:</b>	Halogen for long life.
<b>Background:</b>	Typical <50 cpm. Thin Profile of tube (13mm) gives low background.
<b>Efficiency:</b>	All Betas and Alphas that have the energy to penetrate the thin window. Gamma sensitivity nominal is 3,500 cpm / mR/h (based on Cs137).
<b>Operating Temp:</b>	-35° C to 75° C
<b>Humidity:</b>	95% Non-Condensing
<b>Dimensions:</b>	32" Wide x 5-3/82" Long x 3-1/22" High. Excluding knobs and handle. (7.6 cm x 13.6 cm x 8.9 cm)
<b>Beta Shield:</b>	Methacrylate 0.1252", 3.1mm.
<b>Calibration:</b>	Digital calibration of both dose and dose rate from front panel or optionally by computer with serial option.
<b>Battery:</b>	(6) AA cells – Easy change, snap-in battery holder
<b>Battery Life:</b>	Approximately 100 hours in normal use
<b>Weight:</b>	1 lb (453 grams)

### Optional

- Lithium batteries
- Lighted LCD Display.
- LED and audio alarm
- 2-way Serial port
- Fully stable Audio Alarm
- Detachable Handle TBM-3SR(DL)

**FIRE FIGHTERS:** TBM-3SR-D are available with engineering unit options:

- mR/hour Scale
- single Counts Per Second Scale (cps)
- $\mu$ Sv/h



## TECHNICAL ASSOCIATES OVERHOFF TECHNOLOGY

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