

# DIGITAL CONTAMINATION MONITOR

Model - TBM-3SR-D-BW

## FEATURES:

- ALPHA, BETA, GAMMA, X-RAY
- HP1 DOSE
- 4 DECADES
- LARGE 2" (15 cm<sup>2</sup>) PANCAKE DETECTOR
- BETA SHIELD WINDOW
  - Fast Response
- ANTI-SATURATION CIRCUIT
- TOUCH SCREEN COLOR DISPLAY
  - Visible Screen In Daylight
  - Display Interval Data
  - Backlight Color Display
- INTERNAL MEMORY
- DATA ARCHIVE & RETRIEVAL
- 10,000 DATA POINTS SAVED
- BUILT-IN SPEAKER; ALARM – AUDIO & VISUAL
- RUGGED; LIGHT WEIGHT; ONE HAND OPERATION
- USB; GPS
- **IP64; CE Mark**



## APPLICATION:

Its small size, light weight, one hand operation, and large detector area make this a very useful monitor for surveying bench tops or checking hands and clothes for almost any radioactive contamination.

The **TBM-3SR-D-BW** provides an internal memory. Data logging eliminates transcription errors, improves accuracy and efficiency.

Excellent for Fire Department, Ambulance, Police, First Responders and U.S Custom Personnel use for surveying people, cars, luggage, surface of room, etc.

## DESCRIPTION:

- Small Digital Ratemeter
- Built in 2" diameter pancake tube and speaker.
- Reads out in mR/hr (or cpm or Sv).
- Thin window recessed and protected by sturdy grill.
- Sliding methacrylate Beta shield for additional protection for thin GM tube window.
- Alpha, Beta, Gamma, X-Ray radiation;
- Anti-saturation circuit will not fall below full scale in high fields.

**EXPERTS RECOMMEND TBM-3SR-D FOR FIRE DEPARTMENT USE ON EVERY FIRE ENGINE.**



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# DIGITAL CONTAMINATION MONITOR

## Model - TBM-3SR-D-BW

### SPECIFICATIONS:

<b>Display:</b>	Touch Screen Color Display
<b>Dose Rate:</b>	Surface; HP10; Integrated Modes
<b>Single Range:</b>	No Range Switching, Auto Range
<b>Range:</b>	1 $\mu$ R/h to 10,000 mR/hr. 0.01 $\mu$ Sv/h to 100 $\mu$ Sv/hr.
<b>Energy Range:</b>	5 - 200 KeV
<b>Accuracy:</b>	$\pm$ 10%
<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)
<b>Window Thickness:</b>	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 <b>Betas</b> and <b>Alphas</b> that have the energy to penetrate the thin window. <b>Gamma</b> sensitivity nominal is 3,500 cpm / mR/h (based on Cs137).
<b>Operating Environment:</b>	-4° F – 122° F (-20° C – 50° C); RH 0-90%
<b>Dimensions:</b>	3" Wide x 5-3/8" Long x 3-1/2" High. Excluding knobs and handle. (7.6 cm x 13.6 cm x 8.9 cm)
<b>Beta Shield:</b>	Methacrylate 0.125", 3.1mm.
<b>Battery Test:</b>	Built in display.
<b>Battery:</b>	Rechargeable Lithium Battery with Charger.
<b>Battery Life:</b>	6 month shelf life
<b>Weight:</b>	1 lb (453 grams)



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