### FEATURES:
- BETA / GAMMA DETECTOR
  - $^{125}$I, $^{14}$C, $^{99m}$Tc
- TWO SEPARATE DETECTORS
  - INTERNAL - GM PANCAKE WITH PROTECTIVE SLIDING SHIELD
  - EXTERNAL - SCINTILLATION NaI(Tl)
  - OPTIONAL BGO
- ENHANCED RESPONSE FOR RADIATION FROM 5 KeV TO 250 KeV
- PORTABLE
- BATTERY OPERATED
- LIGHTWEIGHT - FITS IN A BRIEFCASE
- IP63
- CEMARK

### DESCRIPTION:
- Internally mounted 2 inch pancake GM detector with window looking downward from bottom of case.
- A sliding shield protects pancake detector when not in use.
- External thin window/thin crystal scintillation probe for detection of I-125, Tc-99m, Co-57 and other low energy Gammas.
- This system is half the weight of other systems

### EFFICIENCY:

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<th>BETA Pancake</th>
<th>GAMMA</th>
<th>Scintillation</th>
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<tbody>
<tr>
<td>I</td>
<td>$^{14}$C</td>
<td>$^{125}$I</td>
<td>$^{99m}$Tc</td>
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<td>40%</td>
<td>87%</td>
<td>75%</td>
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<tr>
<td>P</td>
<td>$^{32}$P</td>
<td>$^{57}$Co</td>
<td>$^{137}$Cs</td>
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<td>98%</td>
<td>78%</td>
<td>30%</td>
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**SCINTILLATOR/PANCAKE BETA / GAMMA TBM**

Model ~ TBM-6SP
SCINTILLATOR/PANCAKE BETA / GAMMA TBM

Model ~ TBM-6SP

SPECIFICATIONS:

Display: Analog, 2-1/2” Meter, Low Light Read Out, Rugged, Recessed.

Ranges:

Internal Detector: 0-0.15; 1.5; 15; 150 mR/hr. for.

External Detector: 0-500; 5,000; 50,000; 500,000 cpm

Other scales and overlays available: Sieverts, etc.

Face Plate Controls: OnOff (Toggle), Battery Test, Volume Control

Range Switch Positions (Rotary): X1; X10; X100; X1,000.

Detector Selector (Toggle): Internal (GM pancake), External (scintillator)

Time Constant Switch: Fast, Slow (approx. 2 & 11 sec.)

Detectors:

Internal Detector: 2” O.D. Pancake Geiger with Sliding Protective Window Shield

External Detector: Nal (Tl) crystal Standard - 1” diameter thin window/thin crystal scintillation probe with 40” removable cable.

OPTIONAL BGO crystal.

Detection:

Internal Detector: Gamma, X-Ray, Beta

External Detector: Gamma, X-Ray, Beta, Neutron, Positron (Depends Upon Probe Used – GM, Scintillator NaI(Tl), Plastic Scintillator)

Internal Detector: Gamma Sensitivity: 500CPS/Mr/H

Lowest Beta: 70KeV

Range of Exposure Rate X-Ray or Gamma: 40 KeV – 2 MeV

Calibration: Single master Cal Pot for each detector,
Individual Cal Pot for each scale. Pots adjust from outside case.

Power: 9V Battery

Battery Life: 100 hrs. Normal Operation.

Dimensions: 3” (7.6cm) wide x 5 1/4” (13.3cm) long x 2 1/4” (6cm) deep.

Total Weight: 2.5 lbs. (including probe and battery)