The DSM-503 Survey meter is rugged and dependable for use in a variety of environments. With its internal detector, this instrument is designed to fit the perfect application for general users of radiation measurement and monitoring. The internal energy compensated gm detector makes this instrument a perfect fit for general users of radiological instruments.

**Features**

- Auto-Ranging Display
- Large Easy-to-read Digital Display
- Timed Count Capability

**Specifications**

- **Input Sensitivity**
  0.05V

- **Display-LCD**
  4-Digit x .75 LCD w/LED Backlight

- **LCD Refresh Rate**
  0.8 - 3.0 Sec in 0.2 Sec increments - adjustable

- **Display Backlight**
  Push button, 30 Second auto off

- **Dose Ranges**
  0.1 mR/hr - 10,000 mR/hr

- **CPM Ranges**
  0-999.9 Kcpm

- **Probe Linearization**
  Internal adjust for cal constant and dead time

- **Scaler Ranges**
  0-999.9 Kcpm

- **Scaler Count Time Ranges**
  10-2550 Seconds (10 second increments)

- **Alarms**
  5-95% of Range

- **Diagnostics**
  Low Battery, Overrange - audible and visual

- **Range Adjustment**
  Auto-Ranging All Scales

- **Electrical Non-Linearity**
  < 5%

- **Response Time**
  Fast - 10-2550 Seconds - adjustable | Slow 10-250 seconds - adjustable

- **Drift**
  <5%

- **Environmental**
  -20° F[-28° C]-140° F[60° C] | 5-95% RH IPX4 Housing

- **High Voltage**
  Adjustable 300-1500 VDC|Regulation +-1%

- **Battery**
  6 AA" Alkaline-400 hours nominal

- **Circuitry**
  Digital Microprocessor Controlled

- **Dimensions**
  5.25 (14cm) H x 4" (10cm) W x 7" (18cm) L

- **Weight**
  2.5 lbs. (1.2 Kilos)

- **Construction**
  Heavy Duty Cast Aluminum and Stainless Steel

- **Probes**
  Internal Energy Compensated GM

- **Data Output (optional)**
  9 Pin Serial RS-232 - Panel switch manual data extraction
Standard Product Warranty

At WB Johnson Instruments, we stand behind our products. We guarantee your satisfaction in the quality of our instruments by providing a complete two year warranty covering any defect of workmanship, material, and/or design. If our products do not perform, we will provide complete repair and/or replacement.

Calibration & Repair Services

The proper maintenance & calibration of your instruments is critical to ensure proper performance & accuracy. This is why every WB Johnson instrument is provided with a NIST Traceable Calibration Certificate with ISO 17025 Accredited Certification. This high level calibration provides assurance that the instrument meets the most stringent industry calibration & traceability parameters, thereby giving you comfort in our instrument's accuracy and reliability when it matters most.