

DSM-503

Digital Radiation Survey Meter w/internal detector



The DSM-503 Survey meter is the perfect mix of 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.



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

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 Kcmp
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

Handheld Meters



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 one 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.