DSM-500 Digital Radiation Survey Meter

This microprocessor-controlled instrument represents the new gold standard of survey instruments. The DSM-500 boasts an oversized digital display and a unique capability for dual probe capability. Comes standard with timed-count capability, probe-saturation and error indicators.



Auto-Ranging Display

- Large Easy-to-read Digital Display
- Dual Probe Capability for both Dose and Contamination Monitoring



Dose/CPM Switch	External Dose/CPM Switch
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
Dose Ranges	0.0µR/hr-9999 R/hr
CPM Ranges	0-999.9 Kcpm
Probe Linearization	Internal adjust for cal constand and dead time
Scaler Ranges	0-999.9 Kcpm
Scaler Count Time Ranges	10-2550 Seconds (10 second increments)
Alarms (optional)	5-95% of Range
Diagnostics	Low Battery, Overrange - Audible & Visual Alarms
Range Adjustment	Auto-Ranging All Scales
Electrical Non-Linearity	< 5% Full Scale
Response Time	Fast - 10-2550 Seconds (adjustable) Slow 10-250 seconds
	(adjustable)
Drift	< 5%
Environmental	-20°F[-28°C] to 140°F[60°C] 5-95% RH IPX4 Housing
High Voltage	Adjustable 300-1500 VDC Regulation +-1%
Battery	6 - "AA" Alkaline (nominal 100hrs Operation)
Circuitry	Digital Microprocessor Controlled
Dimentions	5.25"(14cm) H X 4" (10cm) W x 7"(18cm) L
Weight	2.5 lbs. (1.2 Kilos)
Construction	Rugged, Heavy Duty Cast Aluminum & Stainless Steel
Probes	Supports All Johnson Probes
Data Output	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.