DSM-500
Digital Radiation Survey Meter

BNC SCIENTIFIC
A Berkeley Nucleonics Division

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

WB JOHNSON Instruments

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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.

About BNC Scientific (BNCS)
San Rafael, CA 94901, USA, www.bncscientific.com
BNC Scientific is a division of Berkeley Nucleonics which addresses growing demands in the science community for strong-US based service and application support. BNCS offers a high degree of attention and respect to each client with unparalleled use of technology resources. BNCS represents best-in-class instrumentation and software products for applications in research.

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