



DSM-506

**Digital Radiation Survey Meter
w/Internal & External Detectors**



The operation of the DSM-506 provides users the ease of an internal detector with the additional probe capability for those specific measurement needs. This feature, with its easy to read display, digital electronics and rugged design make the 506 a perfect instrument for all applications.

Input Sensitivity	0.05V
Dose/CPM Switchable	External Dose / CPM Switch
Display-LCD	CPM, KCPM, CPS, uR/hr,mR/hr,R/hr,uSv/hr,mSv/hr,Sv/hr
LCD Refresh Rate	0.8 - 3.0 Sec adjustable
Display Backlight	toggle switch, 30 Second auto off
Probe 1 Ranges (HP-265)	0-200 mR/hr - 999.9 Kcpm
Probe 1 Ranges (MRSP-1)	0-10 mR/hr - 999.9 Kcpm
Internal Detector EC GM Detector	0-2,000 mR/hr - 0-999.9 Kcpm
Probe Linearization	Internal adjust for cal constant and dead time
Scaler Ranges	0-9,999 CPM
Scaler Count Time Ranges	10-2550 Seconds (10 second increments)
Alarms	5-95% of full scale for Dose & CPM
Diagnostics	Low Battery, Overrange - Audible and Visual Alarms
Range Adjustment	Auto-Ranging All Scales
Over Range Alarm	Adjustable 10% above max range - dose calibration only
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
#1 High Voltage	Adjustable 300-1500 VDC Regulation +-1%
#2 High Voltage	Adjustable 300-1500 VDC Regulation +-1%
Audio (click per event)	On--Off switch on front panel
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) w/Batteries

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.

