

ERK-506 Plus

Digital Emergency Kit



The DSM-506 Plus kit utilizes the new WB Johnson Survey/Scaler meter (DSM-506) to measure most alpha, beta, and gamma radiation & contamination fields from background to 2000mR/hr. An internal energy compensated GM detector, pancake & high sensitivity tissue equivalent scintillator are connected to the meter and can have dual (dose or cpm calibrations) that are switch selectable from the front panel. The timed count scaler function makes low level contamination measurements more accurate, once the operator selects the desired probe. Automatic ranging and diagnostics make the system extremely user friendly. All components of the system are contained in a durable carrying case for easy storage and portability. RS-232 data output available.



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-Repeat as needed
Scaler Count Time Ranges	.10-2550 Seconds (10 second increments)
Probe 1 Ranges (HP-265)	999.9 Kcpm
Probe 1 Ranges (MRSP-1)	0-10 mR/hr
Internal Detector EC GM Detector	0-2,000 mR/hr - 0-999.9 Kcpm
Scaler Ranges	0-999.9 Kcpm
Diagnostics	Low Battery, Overrange - Audible and Visual Alarms
Alarms	5-95% of full scale for Dose & CPM
Over Range Alarm	Adjustable 10% above max range - dose calibration only
Electrical Linearity	< 5%
Response Time	Fast - 10-2550 Seconds (adjustable) Slow 10-250 seconds (adjustable)
Drift	<5%
Environmental	-20Â° F[-28Â° C]-140Â° F[60Â° 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
Display	4 digit 0.75" (19mm) tall w/LED backlight
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
Construction	Heavy Duty Aluminum & Stainless Steel



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.

Contact Us

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Find us and our distributors on the web at

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