



# DSM501

## Digital Micro-R Meter With Internal Detector



### Auto-Ranging Display | Timed Count Capability Dose or CPM Modes of Operation

The internal 1"x1" plastic scintillator has a close to tissue-equivalent response and has an oversized digital backlit display, dose or CPM operation modes and comes standard with timed-count capability, probe-saturation and error indicators.

Energy Range	40 keV – 3 MeV
Sensitivity	≈ 70 cpm / μR/hr
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	1.0 uR/hr - 10 mR/hr or Sieverts
CPS/CPM Ranges	0-9999 cps, 0-999.9 kcpm
Electrical Non-Linearity	+/- 5% of full scale
Response Time	Selectable FAST/SLOW
Drift	<5%
Environmental	-20° - 140° F (-28° - 60° C), 5-95% RH
High Voltage	Adjustable 300-1500 VDC Regulation +/-1%
Alarms	5-95% of Range
Battery	6 "AA" Alkaline-400 hours nominal
Probe Linearization	Internal adjust for cal constant and dead time
Circuitry	Digital Microprocessor Controlled w/Analog Readout
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
Diagnostics	Low Battery, Over-range - audible and visual
Probe	Internal Near Tissue Equivalent plastic scintillator

## 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.

