

Superior Universal Electronics

Model Series - PUG-7

Models – PUG-7-D, PUG-70-D, PUG -7-DF

Sensitivity

- Ranges: 5 Decades with no range changing required.
See chart below for different probe ranges.

RANGES: Choose any probe below or any TA or compatible probe including silicone solid state.

Some choices include:

PROBE	DESCRIPTION	RANGE						UNITS
ALL PROBES	ALL PROBES	0.1	1	10	100	1,000	10,000	cps
GM	Thin window Alpha-Beta, Gamma, X-Ray,							
P-15	2" dia Pancake		.02	.2	2	20	200	mR/h
P-6LB	Low background		.1	1	10	100	1,000	mR/h
SCINTILLATOR	GAMMA SCINTILLATION							
PGS-3	Gamma			.05	.5	5	50	mR/h
PGS-3T	Low Energy Gamma			.01	.1	1	10	mR/h
PGS-3L	Low/mid Energy Gamma			.03	.3	3	30	mR/h
BGS-2505	Low Energy BGO probe			.01	.1	1	10	mR/h
PNS-20	Neutron Scintillator	0.1	1	10	100	1000	10,000	n/cm ² /s

Specifications

Digital Display:	Length = 6 digit rate, 8 digit total dose Other meter scale markings are available.
Engineering Units:	User can input correct conversion factor and change to any units.
Front Panel Controls:	On-Off, Alarm-mute, Rate, Integrate, Alarm Set and Reset.
Recessed or Internal:	Discriminator level, high voltage
Other Adjustable Settings:	See calibration.
Detectors:	Any GM (P-13, P-15, P-6LB, etc.) or Alpha, Beta, Gamma or Neutron scintillator (PAS-8, PAS-9, PGS-3, PNS-19, etc.).
Probe Holder:	Probe Holder is provided for probe purchased.
Input Sensitivity:	Adjustable from less than 1 millivolt to 100 millivolt
Accuracy:	±10%
Anti-Saturation and Dead-time Corrections:	Differentiation circuit provides highly effective compensation for coincidence loss. This allows all five decades to accurately read with scintillation detectors.



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