

RANDOM PULSE GENERATOR

Model ~ PV-R2

FEATURES:

- MULTIPLE USES INCLUDING CALIBRATION OF RADIATION METERS
- CORRECTS FOR COINCIDENCE LOSS
- TRUE MEAN COUNT RATE DISPLAY
- 6 DIGIT LCD
- VARIABLE:
PULSE HEIGHT, PULSE WIDTH, & PULSE RATE



APPLICATION:

The most frequently used method for calibration of a pulse counting radiation monitor is via a pulse generator followed by a “touch up” on a radiation calibration course.

However, “coincidence loss” at high counting rates based on randomness of radiation pulses is not matched by the evenly spaced output of the usual “pulser”.

The PV-R2 Random Pulse Generator corrects this deficiency and results in little or no “touch up” in the final radiation course checkout.

DESCRIPTION:

The **PV-R2** Random Pulse Generator furnishes pulses whose width can be set to match the effective width of the GM or scintillation pulse in the counting system.

- Pulse height, Pulse frequency and Pulse width are all settable.
- The true mean value of the Pulse rate can be traced to an NIST standard.
- This true mean Pulse rate is displayed on a 6 digit LCD.
- The Pulse output is protected against high voltage which may be present on the connector of the counter being checked.

SPECIFICATIONS:

Readout:	6 digit LCD display.
Pulse Width:	1 sec to 500 sec effective.
Pulse Amplitude:	1 Millivolt to 2 Volts.
Polarity:	Switchable negative or positive.
Pulse Frequency:	1 cps to 10^5 cps or 10 cpm to 10^6 cpm true mean value.
Output Connector:	MHV protected to 3 KV.
Power:	115 Volt 60 Hz, 0.3 A (Optional 220 V 50-60 Hz, 0.2 A).
Dimensions:	8 1/4” W x 2” H x 6 1/2” D.
Weight:	2.6 lbs.



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