

HP-270/290

Hand Probes

Features

- Energy Compensated for Gamma Exposure Rate Measurements
- Sliding Beta Shield for Model HP-270



HP-290

HP-270



The HP-270 is an excellent general purpose GM probe with energy compensation and a beta shield, making it the choice for most health physics applications. The HP-270's energy compensation permits reliable exposure rate measurement from background to 100 mR/h for non dead time corrected instruments or up to 3 R/h for those equipped with dead time correction capability.

The HP-290 is a higher range GM probe with energy compensation, providing reliable exposure rate measurement from 0.1 mR/h to 10 R/h for non dead time corrected instruments or up to 80 R/h for those equipped with dead time correction capability.

System Specifications

Operating Voltage

Plateau Length

Plateau Slope

Dead Time

Temperature Range

Wall Thickness

Wall Material

Gamma Sensitivity

Energy Response

Housing

Connector

Size

Weight

HP-270

- 900 ± 50 V
- 100 V minimum
- 0.1 % per V maximum
- 100 µs typical
- -40 °C to 75 °C (-40 °F to 167 °F)
- 30 mg/cm² (tube only)
- Stainless Steel
- ~1200 cpm/mR/h (¹³⁷Cs)
- See curve
- ABS plastic
- BNC series coaxial
- 3.5 cm x 15.2 cm (1.5" Ø x 6" Long)
- 142 g (5 oz)

HP-290

- 550 ± 50 V
- 100 V minimum
- 0.2 % per V maximum
- 20 µs typical
- -40 °C to 50 °C (-40 °F to 122 °F)
- 90 mg/cm² (tube only)
- Stainless Steel
- ~80 cpm/mR/h (¹³⁷Cs)
- See curve
- ABS plastic
- BNC series coaxial
- 2.9 cm x 8.9 cm (1" Ø x 3.5" Long)
- 57 g (2 oz)

AVAILABLE ACCESSORIES

Detector Cables

Instruments	36" Detector Cables	60" Detector Cables
E-120	CA-1-36	CA-1-60
RM-25	CA-16-36	CA-16-60
ASP-2	CA-16-36	CA-16-60
E-600	CA-102-36	CA-102-60

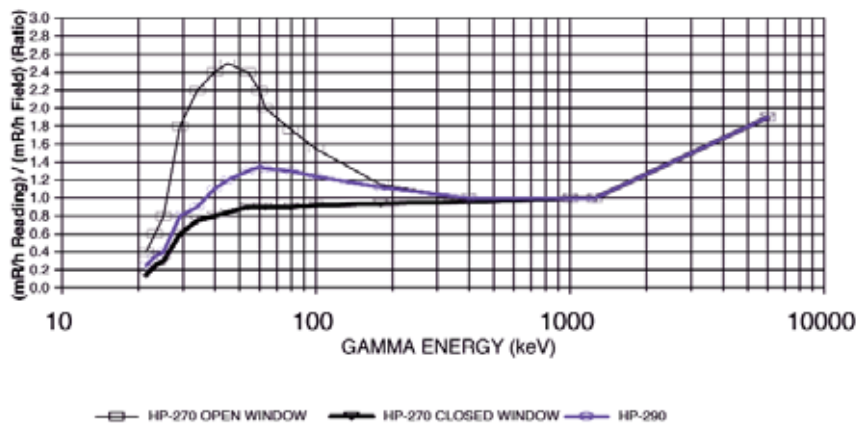
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- Model CS-7A, 5 µCi ¹³⁷Cs

Probe Clips

- ZP10434029

ENERGY RESPONSE CURVES



Energy Response of the HP-270 and HP-290 Hand Probes

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