

# HP-265 ALPHA-BETA-GAMMA PANCAKE PROBE

The HP-265, commonly known as the "Pancake" probe, has become the most popular detector for the general measurement of Alpha, Beta, and Gamma measurements. Built inside a ruggedized housing, this detector is the best general detector for most types of measurement applications. This detector operates between 850 to 1000 volts and is compatible with any Johnson instrument capable of supplying 900 Vdc.

## FEATURES:

- ◆ ALPHA, BETA, GAMMA DETECTION
- ◆ RUGGED METAL HOUSING
- ◆ COMPATIBLE WITH ALL JOHNSON RATE METERS



## HP-265 SPECIFICATIONS:

General Use	Alpha, Beta, Gamma Detection
Detector Type	Halogen-Quenched GM Pancake Tube
CPM Range	0-999.9 Kcpm or Kcps
Dose Range	0-200 mR/hr (Cs <sup>137</sup> ) - Requires linearization above 50 mR/hr
Window	1.7 ± 0.3 mg/cm <sup>2</sup> mica, protected by a Copper screen (79% open)
Window Area	Active – 15.5 cm <sup>2</sup> (2.4 in <sup>2</sup> ) Open – 12.3 cm <sup>2</sup> (1.9 in <sup>2</sup> )
Efficiency (4π)	C <sup>14</sup> – 5%, SrY <sup>90</sup> – 22%, Tc <sup>99</sup> – 19%, P <sup>32</sup> - 32%
Energy Response	Energy Dependent
Sensitivity (Cs <sup>137</sup> gamma)	≈ 3300 cpm/mR/hr
Operating Voltage	900 vdc
Dead Time	80 μsec
Normal Background	≈ 60 cpm
Environmental	-20°F [-28°C] to 140°F [60°C] 5-95% RH
Connector	BNC (other types available)
Dimensions	2.74" (7cm) Dia x 11" (28cm) L
Weight	1lbs (0.45 kg)