ADVANCED TECHNOLOGY FOR A SAFER WORLD

HP-360

Hand Probe Alpha/Beta/Gamma

Part No. HP360-MHV

The Model HP-360 hand probe provides a sensitive beta detector, featuring a "Pancake" GM tube with a thin mica window. The HP-360 is identical to Thermo Model HP- 260 with the exception of a new and stylish plastic housing. This black housing is constructed from rugged ABS plastic and features an etched stainless steel screen (79% open area) over the GM tube to prevent punctures. The HP-360 design is also very ergonomic to fit in one's hand with greater comfort.

This detector permits useful beta sensitivities down to 40 keV and is alpha sensitive above 3 MeV. The background sensitivity to 137Cs is approximately 3600 cpm/mR/hr and it is capable of seeing low energy photons down to approximately 0 keV.

The HP-360 is designed for contamination surveys on personnel, table tops, floors, equipment, etc. This detector is also available in a "Smart" configuration (Model SHP-360) for use with Thermo's smart instruments like the Model FH-40.

SPECIFICATIONS

Operating Voltage
900 + 50 Vdc "
Plateau Length
100 Volts minimum "
Plateau Slope
0.1 % per V maximum "
Dead Time
50 ìs maximum "
Temperature Range
-30 °C to 75 °C (-22 °F to 167 °F)
Mica Window Thickness
1.4 to 2.0 mg/cm2
Mica Window Size
4.45 cm dia. (1.75")
Active Area
15.5 cm2 (2.4 in2)

Beta Efficiencies
137Cs = 22%
60Co = 16%
90Sr 90Y = 32%
99Tc = 15%
14C = 6% "
Alpha Sensitivity
3 MeV at window
Connector
BNC (Smart SHP-360 uses the Thermo Electron Smart connector)
Size
24.8 cm x 6.8 cm x 7 cm (9.75" L x 2.68" W x 2.75" H)
Weight
0.23 kg (0.5 lb)

OPTIONS

Smart Probe
Order part number SHP-360

Smart Probe Conversion
To convert an existing HP-360 to a smart detector, order Part number SMARTPACBNC

Check Source
Order part number CS7A approximately 5 uCi, 137Cs

Probe Mounting Clip
Order part number ZP11581038

Features

- Thin Window "Pancake" GM
- High Beta Sensitivity
- Protective Window Screen
- Ergonomic Enclosure

LAURUS SYSTEMS

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