HP-360
Hand Probe Alpha/Beta/Gamma

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