

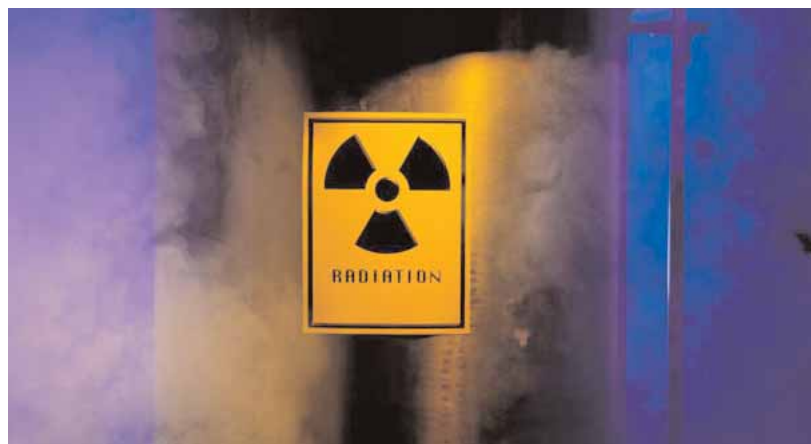
ASP-2/HP190A

Radiation Contamination Meter



Features

- User-Friendly Controls, Ergonomically Arranged
- Dual Analog / Digital Display
- Easy Configuration Via Windows™-Based Interface Program
- Rugged Construction
- ¹³⁷Cs Check Source Included
- Built-in Audio Alarm
- Overrange Protection



The ASP-2/HP190A is a portable radiation survey meter designed to measure alpha and beta contamination. An end-window GM detector is utilized to supply excellent sensitivity. The detector can easily be detached from the instrument, if desired, to probe areas too tight to accommodate the entire instrument or to more ergonomically position the meter for viewing while performing measurements.

The ASP-2/HP190A utilizes a dual display to enhance the presentation to users. While the large traditional analog meter displays relative scale and the rate of change; the digital LCD offers precise measurement CPM or CPS values.

A "Check Mode" permits users to view operational parameters such as the alarm limit, battery status, high voltage and response time settings.

The instrument may be connected to a PC where an optional Windows™-based interface program may be utilized to configure the instrument to best suit the specific application criteria or individual preferences.

Once loaded into the instrument's memory, the configuration cannot be changed either accidentally or deliberately by the operator.

System Specifications

Detector Type

- Thin end window GM with 1.4 to 2.0 mg/cm² window thickness

Detector Sensitivity

- 2500 cpm/mR/h (¹³⁷Cs) into window

Beta Efficiency

- ~ 35% ⁹⁰Sr-⁹⁰Y
- ~ 25% ⁹⁹Tc
- ~ 10% ¹⁴C

Alpha Efficiency

- 3 MeV at window Operating Modes
- Ratemeter: 5 decades

Units of Measurement

- R
- μ (micro), m (milli), k (kilo) multipliers

Meter Scale

- 0 to 10 with 50 divisions

Length

- 23.1 cm (9.1")

Width

- 16.5 cm (6.5")

Height

- 22.6 cm (8.9")

Weight

- 2.5 kg (5.5 lbs) w/batteries

Batteries

- 3 Alkaline "C" cells, life typically 100 hours

Operating Temperature

- -20 °C to 50 °C (-4 °F to 122 °F)

Storage Temperature

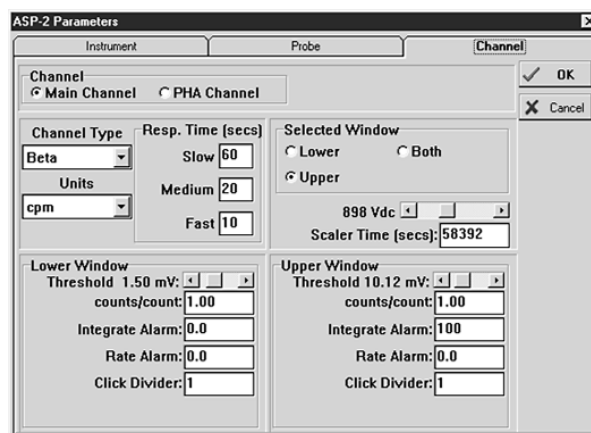
- -30 °C to 70 °C (-22 °F to 155 °F)

Operating Humidity

- 0 to 95% non-condensing

OPTIONS

- CA-104-60 PC Serial Communications Cable
- ASP2 OPT1 PC Calibration/ Configuration Software, Windows™



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