

**Question: What is the ASP-2?**

Answer: The ASP-2 is a general-purpose portable radiation meter designed to bridge the gap between older analog designs and the most advanced current generation instruments. A microprocessor is used to make the ASP-2 versatile, however the user interface is simple and easily understood by operators familiar with more basic instruments. The ASP-2 is configured through the use of a host computer for a wide range of detectors and measurement units.

**Question: What is the difference between the ASP-2 and ASP-2e models?**

Answer: Both the standard ASP-2 and enhanced ASP-2e models provide ratemeter measurements, along with alarm and over range indications, three response time settings, and displays the measurement units and the type of radiation being measured. The enhanced ASP-2e model adds an integrated dose mode, scaler counts mode, and a single channel pulse height window (PHA) mode for energy-proportional probes.

**Question: What host program is required to configure the ASP-2/2e?**

Answer: The ASP-2 PC Program must be installed on a personal computer running the Microsoft® Windows® operating system (either Windows® 3.1 or Windows® 95). In addition, a CA-104-60 data cable is needed to connect the computer's serial COM port to the ASP-2/2e.

**Question: What is the current host program version?**

Answer: The current host program is ASP-2 PC Version 1.05.

**Question: What display formats are available with the ASP-2?**

Answer: A standard analog meter displays the measured value. The digital display can be programmed to indicate the range multiplier for the analog reading or the digital value of the analog reading. This and other configuration options are set up via a host program which runs on a personal computer. Once loaded, the configuration cannot be changed either accidentally or deliberately by the operator.

**Question: Why is it called an Analog Smart Meter if can not use smart probes?**

Answer: The ASP-2 is called a "Smart Meter" in that the conventional probe parameters are programmed into the ASP-2 using a PC host program. The "Smart Probes" were designed for use with the E-600 product line where the parameters are programmed into the probe. Smart Probes can be used but the probe parameters must be programmed into the ASP-2.

**Question: How do you use the window settings for the PHA Window?**

Answer: The ASP-2 Technical Manual, Section 14 includes PHA setup for the LEG-1, PG-2, SPA-1, SPA-3, SPA-9 and RD-19 scintillation detectors.

**Question: What probe parameters should be used to configure detectors not included in the ASP-2 Technical Manual?**

Answer: Probe parameters for similar style detectors can be used.

**Question: Can GM probes (pancake or hotdog) be connected to the ASP-2 and use in dose rate?**

Answer: The ASP-2 will only operate a single detector. Connecting a second detector will require recalibration. The HP-270 is energy compensated and will read dose rate (mR/h) regardless of the energy of the gamma radiation. The HP360 is not energy compensated. The GM tube over responds at low energy. If the dose rate is calibrated at one energy it will be accurate only when measuring the same energy.

**Question: Can the ASP-2 operate with E-600 Smart Probes?**

Answer: The ASP-2 can be connected to E600 Smart Probes with the appropriate cable and operate as a conventional probe. The Smart Probe parameters can not be read by the ASP-2 and therefore must be programmed into the ASP-2 using the host program.

**Question: Why does the needle jump two decades when frisking items when only background radiation is present?**

Answer: Background readings represent relatively low count rates. Low count rates have greater statistical variation. Statistical variation is represented by the standard deviation of the measurement. Expectation for radiation measurements is 95% confidence, two sigma or two standard deviations. The lower the count rate the greater the variation. The deviation can be reduced by selecting a longer response time.

**Question: How can the digital display be used when no illumination is available?**

Answer: Because the meter lights do not illuminate the liquid crystal display, it may not be possible to reliably determine the range multiplier in dark environments. If auto-ranging is enabled, the 'Beep on auto range' configuration option may be selected to alert the operator when the multiplier changes.

**Question: How does the ASP-2 accommodate different probes?**

Answer: The ASP-2 contains an internal non-volatile memory in which may be stored one complete set of probe information. These parameters may only be entered or modified from the configuration utility program, which runs on a personal computer connected to the instrument. Some probe parameters may be examined by the operator in CHECK mode.

**Question: Can the ASP-2 be offered with alternate styles of probe connectors i.e. BNC, SHV, C, PET?**

Answer: The ASP-2 is supplied with a MHV connector only which is generally a standard in the U.S.

**Question: Can the ASP-2 be used with multiple probes without changing the calibration?**

Answer: The ASP-2 can operated with a verity of probes. Whenever a probe is changed, the probe parameters including the calibration parameters must be programmed into the ASP-2.

**Question: What internal detector does the ASP-2 have?**

Answer: The ASP-2 does not have an internal detector.

**Question: Why does the ASP-2e sometimes display "Off" when the mode switch is in the Scaler or Integrate position.**

Answer: The ASP-2e may forget the configuration parameters and revert back to an ASP-2. Contact customer service for details how to correct the problem.