



SIMULATED RADIATION PROBE PAKS

SP900 SERIES

Simulated probe paks offer the ability to produce apparent radiation readings on actual radiation meters without using sources of any kind. Teamed with our continuous-output, variable remote control readings are generated over the indicating range of a probe.



The Training Standard Has Been Raised

In order to train personnel to operate a radiation meter without exposure to radiation, simulation is required. Preference, budget or other concerns may require using existing operational meter inventory. This is our first simulator designed specifically for interfacing with real meters. An actual meter with a probe pak attached to its high voltage input operates via remote control to produce readings as if exposed to radiation. The probe paks are perfect for:

- Teaching frisking and survey techniques
- Teaching and evaluating instrument operation and use
- Emergency response and preparedness exercises
- HAZMAT, first responder and hospital emergency training
- Transportation and spill training
- WMD and dirty bomb scenarios
- Job performance qualifications

PREPARE
PROTECT
EDUCATE
INNOVATE





SP900 SERIES PROBE PAKS

The SP900 Probe Pak is a training solution intended to work in conjunction with existing meter inventory. The probe pak attached to the high voltage detector input on an actual meter directs radiation readings via remote control. The simulated radiation readings displayed on the meter provide trainees with unprecedented realism to practical training without exposure to live sources. The training standard has been raised.

The only training solution of its type in the industry, this radio-controlled simulator operates independently or in concert with our SD900 Simulated Alarming Dosimeter. In stand-alone mode, a remote controller sends a signal to the probe pak to generate a variable user-directed rate (e.g. from 1 to 20 mR/h or 25 to 5,000 CPM). The probe pak will vary its pulse output to the meter in accordance with direction from the remote controller. There is no on-off switch on the probe pak as it is energized by sensing the high voltage at the meter. The probe pak uses a set of 3, AAA alkaline batteries for power and operates for up to 20 hours on a set.

The sturdy remote controller has a custom designed RF section that allows for independent operation of up to 8 different probe paks in a common area on separate frequencies in the 900 MHz range. The remote controller is available in various standard configurations or can be customized to your needs. These customizations include:

- CPM values between 0 and 999,000 depending on the meter/probe combination in 3-5 decades
- mR/h values between 0 and 300 R/h depending on the meter/probe combination in 3-5 decades
- The addition of a beta factor when used with certain simulated beta-gamma probe with beta windows
- Other units of measurement such as Gy/h or Sv/h or CPS are also available

These standardized configurations are built around common meter-probe combinations emphasizing the “train like you work” standard. Features of the SP900 include:

- Durable garolite 1”x 7” cylindrical tube with connectors on each end placed directly inline between a probe and an instrument
- Travels between meters with the probe that it is designed for
- Compact size is unobtrusive to normal operations
- Proprietary radioactive decay rate count generation algorithm makes the generated readings realistic
- Operate multiple probe paks from a single remote
- Separate remote controller RF transmit frequencies for independent multiple unit operation
- Operates on standard AAA alkaline batteries
- Use in conjunction with the SD900 Alarming Dosimeter Simulator



RADIATION TRAINING SIMULATORS

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