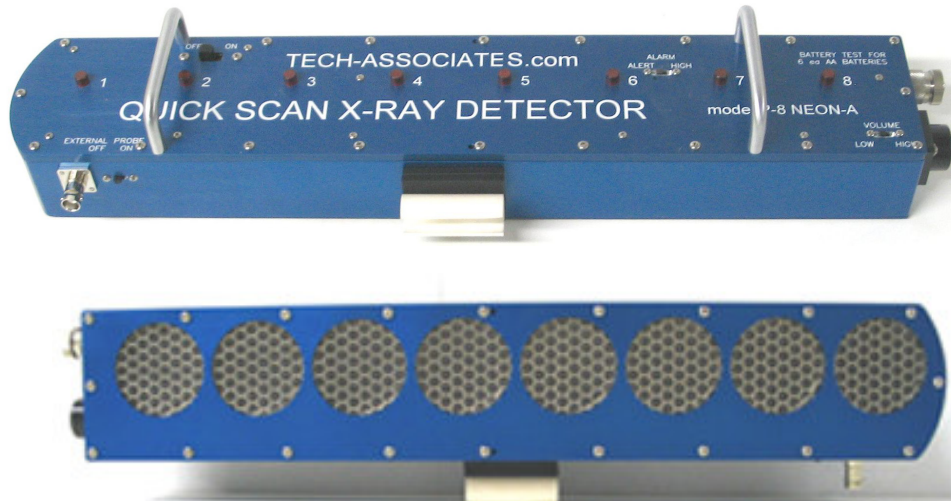


# QUICK SCAN X-RAY DETECTOR

Model # P- 8 Neon-A



## CONTAMINATION ON:

- X-RAY SCANNERS
- PACKAGES
- FLOORS OR WALLS

**APPLICATION:** State and Federal Regulations require that devices that use or produce X-rays must not emit (leak) X-rays in excess of 0.5 mR/hr from any 10 cm<sup>2</sup> area as measured at a distance of 5 cm. This should be verified by complete measurement at time of manufacture, again, upon installation, and periodically thereafter. A small accurate X-ray mR-meter such as Technical Associates Model TBM-IC-X-RAY with 10 cm<sup>2</sup> active detector area X-Ray compliance adapter, which is ideal for this task. However, manually scanning the surface of a large cabinet x-ray machine or airport luggage scanner, etc. 10 square centimeters at a time is quite tedious. For this reason, Technical Associates offers the Quick Sweep Rad Detector Model **P-8 NEON-A**.

## PROCEDURE:

1. Pick one side of X-ray cabinet to check first.
2. Use chalk to divide this side of cabinet into regions or strokes, each 16" wide.
3. Set X-Ray emitter to continuous emission or continuous use if possible.
4. Place **P-8 NEON-A** Probe against side of cabinet and sweep it along at about 1 "/second.
5. Watch the 8 lights on the **P-8NEON-A** for constant red light.
6. Use the chalk to mark the location of the light.
7. Then continue your sweep.
8. When sweeps are completed, come back and repair shielding at the "hot spots" or measure precise mR/hr with TBM-IC.

## SPECIFICATIONS:

**Detector:** Sensitive Area 2" x 16", Window 1.5 - 2.0 mg/cm, Measures Alpha, Beta, Gamma, X-Ray.  
**Locator Lights:** 8 Large Red LED's indicate which of the 8 detectors is firing, i.e. detecting an X-ray leak. Red light and audio alarm show if total count-rate is above preset users level.(User settable) Audio emits clicking sound.

**TA** TECHNICAL ASSOCIATES

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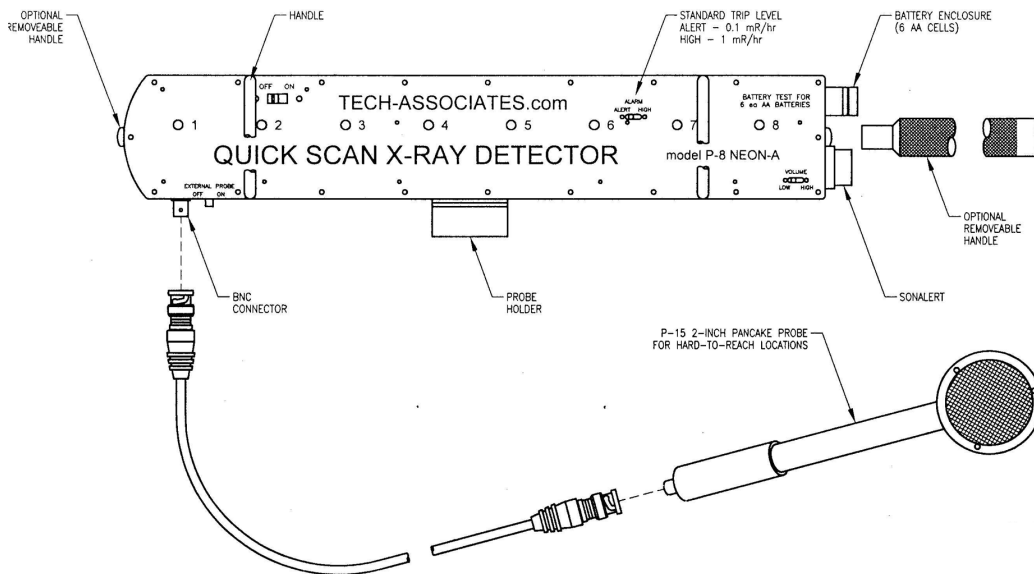
# QUICK SCAN X-RAY DETECTOR

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## SPECIFICATIONS CONT:

- Audio:** Click rate is proportional to radiation level to help locate hottest spots.  
**Alarm:** Audio plus eight location lights.  
**High:** Trips at 1 mR/hr- or use recessed adjustment.  
**Alert:** Trips at 0.1mR/Hr or Adjust.  
**P-15 probe:** Separable 2" dia. Probe with cable and mounting clip. Used for hard to reach corners.

FEATURES	P-8 NEON-A
Alarm levels	Alert and high
Alarm Audio	High/low switch
Handles	Round handle plus metal loops
Carry Case	Hard sided case, Fitted Foam Handle and shoulder strap



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