

TIP SHEET: USING A SURVEY METER

Survey meters can be used for two things. First, radioactivity (contamination) can be located. Second, exposure can be quantitated. These two things have remained constant over the decades.

Locating contamination can best be done using a pancake detector, either internal to the instrument or with an external probe. Once the contamination is located, the side window probe or the ion chamber is utilized.

Reading from the pancake can only be CPM (counts per minute). To quantitate with a pancake, a shielding device must be added. Readings from a side window probe can be either CPM or mr/hr. To obtain a reading of dose rate (mr/hr) the side window must be closed.

An open window on a side window probe can be used to locate contamination in much the same manner as the pancake. To read an accurate exposure rate with the side window probe, the probe must be energy compensated.

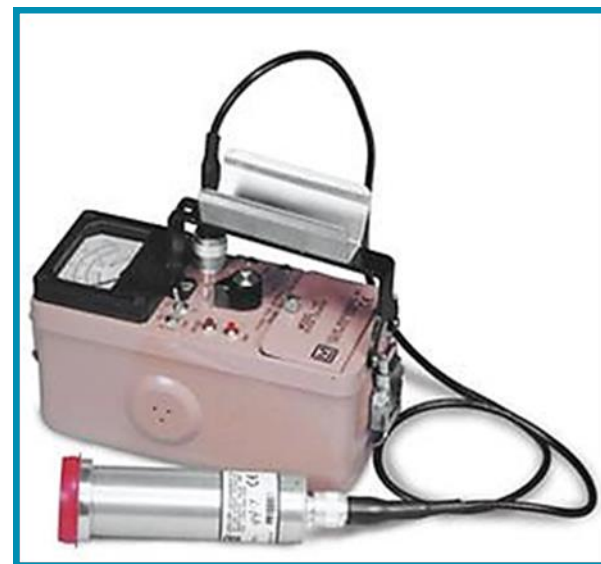
**Survey Meter
With Side Window Probe**



**Survey Meter
With Pancake Probe**



**Survey Meter
With End Window Probe**



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