A. Meter: 2.5” (6.4cm) arc, 1 mA analog type with pivot-and-jewel suspension. Typical meter dials are 0 - 2 mR/hr, 0 - 5k cpm, or combination 0 - 2 mR/hr and cpm and SAT TEST.

B. Connector: Used to connect the detector to the instrument. Typically series "C" but can be "BNC", "MHV", “UHF”, or others.

C. Instrument Selector Switch: A six position switch marked OFF, BAT, X100, X10, X1, X0.1. This switch is used to test the battery condition as well as set the range that the instrument will operate on.

D. Calibration Controls: Recessed potentiometers which are used to calibrate the individual range selections and allow for high voltage adjustment from 200 - 1600 volts. (a protective cover is provided to prevent tampering)

E. Battery Compartment: Sealed compartment to house two “D” cell batteries.

F. RESET Button: When depressed this button provides a rapid means to drive the meter back to zero.

G. AUD ON-OFF Switch: This toggle switch allows the operator to turn the instrument audio on or off. When ON, the switch energizes the unimorph speaker of the left side of the instrument with a click-per-event audible signal (as the count rate increases the number of clicks will increase). The audio should be turned off (when not needed) in order to reduce battery drain.

H. F-S Switch: This toggle switch changes the response time of the instrument from fast to slow. In the "F" position there is a fast meter response and large meter deviation. In the "S" position there is a slow response and less meter deviation.
BATTERY INSTALLATION
Open the Battery Lid by twisting the latch counter clockwise 1/4 turn and install two "D" size batteries. Note (-) (+) marks on the inside of the lid. Match the battery polarity to these marks. Close the battery compartment lid by pressing down and turning the latch 1/4 turn clockwise until it latches.

(NOTE: Center post of flashlight battery is positive.)

BATTERY TEST
Move the range switch to the BAT position. The meter should deflect to the battery check portion of the meter scale. If the meter does not respond, recheck that the batteries have been installed properly.

(Note: The meter face depicted above may not be the face your unit has. It is simply provided to show the meter in the BAT TEST position.)

TESTING THE INSTRUMENT
Turn the instrument range switch to the X100 position. Expose the detector to a check source. The speaker should click with the AUDIO ON-OFF switch turned ON. Move the range switch through the lower scales until a meter reading is indicated. The toggle switch labeled F-S should have fast response in "F" and slow response in "S". Depress the RESET switch. The meter should zero. Once this procedure has been completed successfully, the instrument is ready for use.

NOTE: To assure proper operation of the instrument between calibrations, an instrument operational check should be performed prior to use. A reference reading with a check source should be obtained at the time of initial calibration or as soon as possible afterwards, for confirming correct operation. Confirm the proper reading on each scale. If the instrument fails to fall within ±20% of proper reading, it should be sent to a calibration facility for recalibration.