

## CANARY IV MODEL 4084 OPERATING INSTRUCTIONS

The instrument is turned on by the toggle switch on the top of the instrument. The display will reset to zero when the power is turned on and the beeper will beep. The instrument will now start integrating the radiation dose. If you want to reset the dose just turn the instrument off then back on.

The beeper will indicate the condition of the battery. When the instrument is turned on if the batteries are good it will beep. If the batteries are bad, it will have a shorter beep. When the instrument is in operation, if the battery condition is poor, the beep will change to a short beep every time it accumulates 0.01 mR. The beeper can be turned off by removing the jumper on the top of the circuit board. It is marked BUZZ on the circuit board in small letters. When the jumper is removed the beeper will still beep at turn on to indicate battery condition. The readout is a digital display. The display has no decimal point. The units of the display are in .01 mR or .1  $\mu$ Gy. Thus if the digital display has the number 135 it means 1.35 mR or 13.5  $\mu$ Gy. Next to the units on the front panel are markings that show the position of the decimal point on the actual display. XXXX.XX mR means that the decimal point is 2 digits from the right and XXXXX.X  $\mu$ Gy means that the decimal point is 1 digit from the right.

The instrument will respond and add counts to the display if it receives strong shocks. Banging it against a table, or dropping it will register counts. We recommend wearing the instrument under a protective layer of clothing or in a pocket so it does not repeatedly bang against anything.