

OPERABILITY STEPS AND CHECKS FOR CD V-710
AND CD (V-720) SURVEY METERS

1. Be sure switch is in off position, remove instrument from case and properly install batteries.
2. Return instrument to case, but before closing latches be sure instrument is properly seated in case. Close latches.
3. Turn switch to "zero" position and allow two-minute warm up. Use "Fine Zero Control" to zero needle. If needle cannot be zeroed by this control then:
 - a. With first 4 Models of CD V-710 center "Fine Zero" control midway between left and right control stops, remove instrument from case and use screwdriver to adjust needle to zero with internal "Coarse Zero" adjustment.
 - b. With Model 5-710 and all Models 720, failure of "Fine Zero" control to zero needle makes instrument inoperable.
4. Turn control switch to "Circuit Check" position (Bat. Ck. in Model 1-710).
 - a. Model 1-710 should read at or above "Bat. Ck." position on dial. If it reads below, the internal adjustment can be operated to adjust needle to "Bat. Ck." while control switch is held in position.
 - b. Model 2-710 should read at midpoint of Circuit Check region or above, but never past maximum of region. If it reads between midpoint and maximum no internal adjustment is needed. Installation of fresh batteries requires internal adjustment to maximum of region.
 - c. With all other Models of both 710 and 720, a circuit check with control switch should give a reading within the region. If it does not, fresh batteries may correct it, but there is no internal adjustment for these Models and, unless fresh batteries do correct the situation, the instrument is inoperable.
5. Turn control switch back to "zero" position and zero needle.
6. Turn control switch to X100 position and observe whether the needle is still at or near zero. Repeat on the X10 and X1 positions. In the absence of any radioactive material all three positions should still be at, or very near, zero. A reading on the meter of more than two small meter scale divisions on any one or more of the three positions indicates an instrument which is not functioning properly.
7. All Models of the 710's have a single "Calibration" adjustment internally. Calibration of the 710's on any one of the three ranges automatically calibrates the other two ranges.

Both Models of the 720's have individual "Calibration" adjustments internally for each range.

INTERNAL CALIBRATION ADJUSTMENTS SHOULD NOT BE TOUCHED UNTIL A COMPLETE OPERABILITY CHECK HAS BEEN MADE, THE INSTRUMENT CHECKS OUT OK, AND A KNOWN AMOUNT OF RADIOACTIVE MATERIAL IS BEING USED FOR CALIBRATION PURPOSES.