WARRANTY

ELEMENTS OF WARRANTY: This limited warranty covers all materials and craftsmanship in this product to by free from defects for a period of one year with only the limitations or exclusions set out below.
WARRANTY DURATION: This warranty shall terminate and be of no further effect one year after the original date of purchase of the product or at the time the product is: a) damaged or not maintained as is reasonable or necessary, b) modified, c) repaired by someone other than warrantor for a defect or malfunction covered by this Warranty, or d) used in a manner or, purpose for which the instrument was not intended or contrary to the written instructions. This warranty does not apply to any product subject to corrosive elements, misuse, abuse, or neglect.
STATEMENT OF WARRANTY: In the event that the product does not conform to this warranty at any time while this warranty is effective, the Warrantor will repair the defect and return the instrument to you prepaid, without charge for parts or labor. Shipping cost to the factory for repair is the responsibility of the customer. Customer is also responsible for international costumes, duties, and taxes to and from the repair facility.
NOTE: While the product will be remedied under this warranty without charge, this warranty does not cover or provide for the reimbursement or payment of incidental or consequential damages arising from the use of or inability to use this product. The liability of the company arising out of the supplying of the instrument, or its use, whether on warranties or otherwise, shall not in any case exceed the cost of correcting defects in the instrument, and after the said one year period, all such liability shall terminate. Any implied warranty is limited to the duration of this written warranty.
PROCEDURE FOR OBTAINING PERFORMANCE OF WARRANTY:
In the event that the product does not comply with this warranty, please contact your local distributor.
NOTE: Before using the instrument, the user must determine the suitability of the product for his or her intended use. The user assumes all risk and liability connected with such use.
SERVICE & REPAIR
Should your instrument ever need servicing, please contact your local distributor. If you have further questions contact the address below.

S.E. INTERNATIONAL, INC.
P.O. Box 39
436 Farm Rd.
Summertown, TN, USA 38483-0039
Tel: 931-964-3561
Fax: 931-964-3564
e-mail: seintl@seintl.com

CHARGER MAINTENANCE

The Charger requires very little maintenance. If it is stored in an area free of dust and high humidity, it should give you years of trouble free use.

If you begin to have trouble with the fiber of the dosimeter “drifting” while you are charging a Dosimeter, just use a Q-Tip with denatured alcohol on the contact of the Charger. Denatured alcohol will give the best results. Do not soak the contact, just a clean it as you would ordinary glass.

After wiping it, use canned air to dry the contact off. Depending on the condition of the contact, you may have to repeat this process. If you don’t have canned air, allow the Charger to sit for a few hours to let all the alcohol evaporate.

CHARGER
Operation Manual

SE INTERNATIONAL

RADIATION® A•L•E•R•T
QUALITY HANDHELD DETECTORS

BASIC OPERATION

The Radiation Alert Charger (fig. 1) is used to zero a variety of quartz or carbon fiber dosimeters. The Charger controls the movement of the hairline fiber inside the dosimeter. When the fiber is on zero, the dosimeter is fully charged/zeroed. It is powered by a piezoelectric generator. The CHARGER requires absolutely no batteries.

To charge a dosimeter you simply squeeze the lever a few times. If the fiber passes zero and is still visible, a discharge button allows the operator to discharge the dosimeter and set it exactly on zero. The clamp is adjustable and self-locking and automatically holds the dosimeter for you. By squeezing the trigger, you can easily position a dosimeter into or remove it from the charger.

Positioning the dosimeter in the charger.

1. Hold the charger upright as shown in fig. 1. Lift the clamp and pull it back to the approximate length of the dosimeter. Place the dosimeter in the clamp with the recessed end (opposite the lens) over the charging contact. This allows for the electrical contact between the dosimeter and the Charger.
2. While squeezing the trigger and push the clamp against the lens end of the dosimeter and release the trigger. Important: If the clamp is not pushed against the lens end of the dosimeter before releasing the trigger, electrical contact may not be adequate to charge the dosimeter. DO NOT PUSH TOO HARD. You may damage the dosimeter.
3. Check that the position of the dosimeter provides a good view of the scale through the lens. Refer to fig. 2

CHARGING THE DOSIMETER

4. With the dosimeter locked in place, look through the dosimeter at a light source such as a light bulb, window or a small flashlight to view the scale shown in fig. 3.
5. Squeeze and release the charging lever until you see the fiber appear on the scale. The fiber appears from the right of the scale and moves towards zero. Once you see the fiber, partial squeezes of the charging lever will be enough to control its movement. If the dosimeter is not responding, repeat step 2.

If the fiber has traveled to the left of zero but is still visible, push the discharge button until the fiber is on zero. If the fiber is not visible, repeat Step 5.

Figure 2

6. To remove the dosimeter, squeeze the trigger, lift the dosimeter to just above the end of the clamp. Pull dosimeter straight back to disengage it from the charging contact. If your dosimeters are all the same length, you should not have to adjust the clamp as described in steps 1 and 2. The length setting of the clamp will not change unless the clamp is manually adjusted.

NOTE: The ideal operating range for the charger is between 40-60% humidity. If operation occurs outside of these specific conditions, you may notice the fiber move away from zero (discharge) at faster rate. In this case, once the dosimeter is fully charged, remove it immediately from the charger and recheck it to make sure the fiber is on zero.

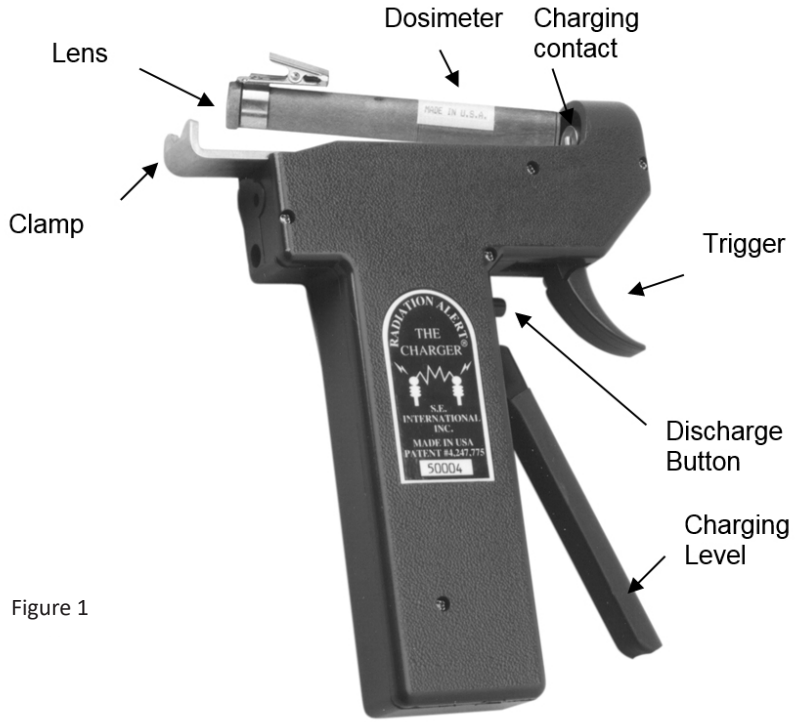

Figure 1

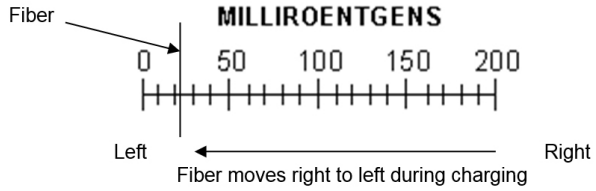

Figure 3