

PORTABLE DOSE RATE METER – PREPARATION FOR USE

The unit is supplied with the battery cap, neck strap and waist lanyard packed separately.

The three cells required are not packed with the unit. The recommended cell type conforms to BS 397 size R14 HP and will operate the unit continuously for approximately 400 hours. (Commercial cells Ever Ready type HP11 or equivalent of 1.5V rating may be used).

The batteries should be removed for storage.

Note 1: Lithium batteries should not be used as the higher voltage may damage the unit.

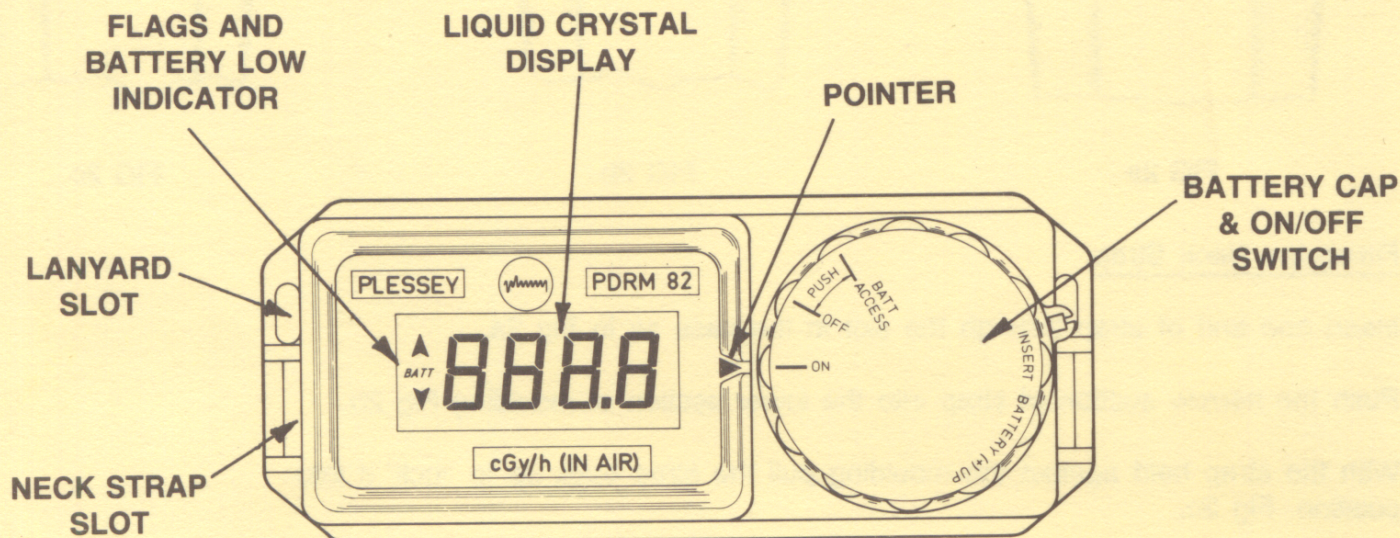


FIG 1

To prepare the Unit for Operation

Fit three cells in the housing with the positive (+) terminal up (towards the cap end).

Place the battery cap with BATT ACCESS marking adjacent to the pointer, press the cap down fully and twist clockwise to the OFF position.

Rotate switch to ON position and observe that all display segments and flags function (Fig 1) for a short period followed by 'EST' and after 2 to approx 10 seconds the unit will display 0.0. If there is a significant radiation level present that level will be displayed.

In the event of a failure the word 'FAIL' will be displayed in place of the normal digits. If the 'FAIL' display does not clear within ONE minute to 0.0 the faulty unit should be discarded or returned for repair. See Note 2.

Note 2: When the unit is removed from a radiation field it may on some occasions interpret this as a failure and give a flashing 'FAIL' indication. If the unit is NOT faulty this 'FAIL' indication will clear to 0.0 within ONE minute.

Note 3: If the display fails to work check that the cells have been fitted correctly as stated above. Incorrect fitting will not cause permanent damage.

Note 4: If at any time the 'BATT' indication shows, the battery should be replaced. Prolonged use of the instrument with the 'BATT' indication showing will lead to a progressive deterioration in accuracy.

Note 5: This unit contains a sealed radioactive Beta source of 14.8 Bq (0.4 nanocuries). No special precautions in use are necessary. On disposal advice should be sought from the Home Office or Plessey Controls Ltd.

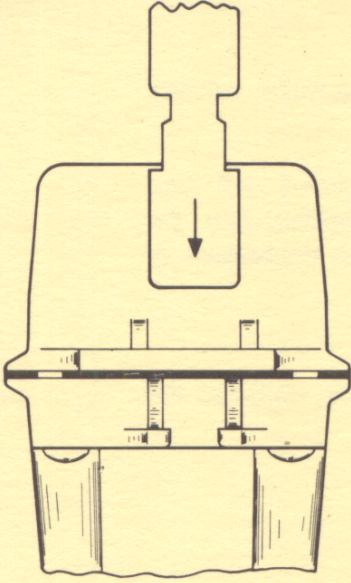


FIG 2a

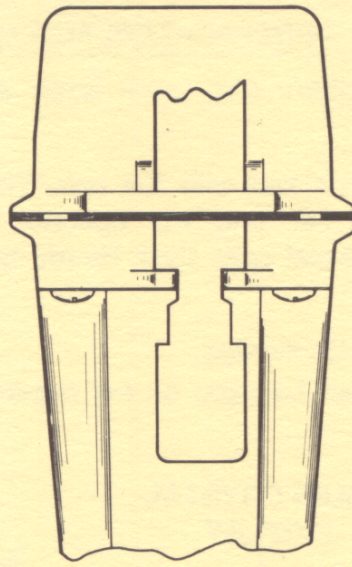


FIG 2b

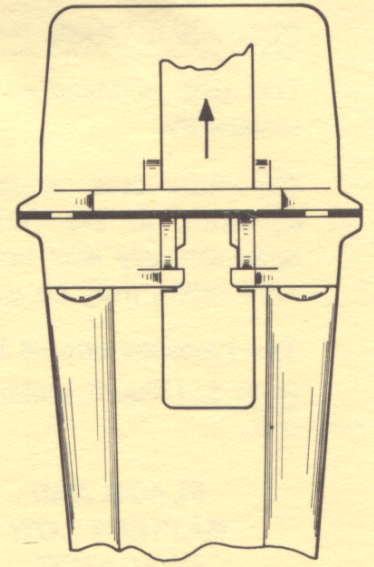


FIG 2c

Fitting the Neck Strap

Insert one end of strap through the slot in the case as in Fig 2a.

Push the narrow section of strap into the lower section of moulding Fig 2b.

With the strap held against the moulding pull the strap back up to 'lock' it into position. Fig 2c.

Two attachment positions are provided at each end of the strap for adjustment of length.

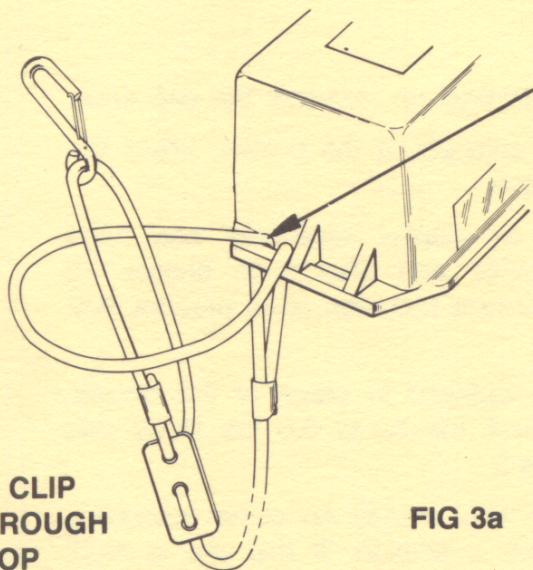


FIG 3a

FEED LANYARD LOOP PART WAY THROUGH SLOT

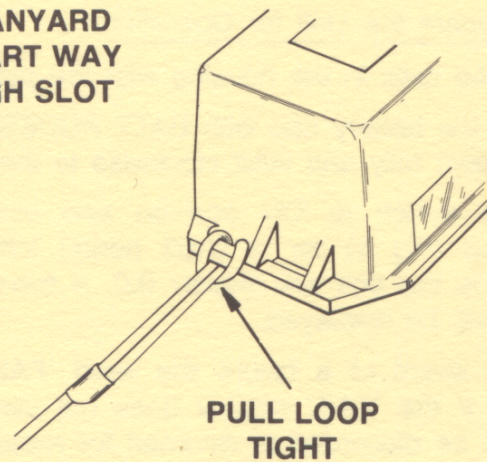


FIG 3b

Fitting the Lanyard

Insert the loop end of the lanyard through the case slot as shown in Fig 3a.

Pass the clip end of lanyard and adjuster through the loop and pull tight to secure. Fig 3b.

After hanging the instrument around the neck the lanyard is passed around the body and the clip fitted in the slot in the opposite end of the unit.

Adjust the lanyard to a suitable length using the plastic adjuster.