

6. PRE-OPERATION

6.1. Before operation study thoroughly the instrument's application, its basic specifications and measurement technique.

6.2. Before operating the instrument after its purchase:

- 1) take the instrument out of the package;
- 2) make sure by visual inspection of the absence of mechanical damages of the body, covers, liquid-crystal indicator and controls;
- 3) check the Instrument's completeness - it should comply with that listed in P.4 of the Certificate;
- 4) check the existence and safety of the manufacturer's seal, the seal should not be damaged;
- 5) remove the power supply compartment cover (the direction is shown by the arrow on it), take out of the compartment the terminal block for battery connection;
- 6) open the package and make visual inspection of the battery; if there are traces of electrolyte or white salt remove them with rags;
- 7) connect the battery to the terminal block observing the polarity of connection and put them into the compartment. Replace the cover again.

7. OPERATING PROCEDURE

7.1. General

7.1.1. The instrument is a multifunctional meter designed at measuring 3 physical values:

- 1) gamma-radiation field equivalent dose rate;
- 2) beta-radiation intensity from surfaces;
- 3) specific radioactivity of caesium-137 in substances.

7.1.2. The reading device of the instrument is a liquid-crystal indicator, the panel of which displays 4-digit numbers - from 0000 to 9999.

Note. Measurement cycle duration depends upon the measured value and measurement subrange (see Certificate p.3.5).

7.1.3. To obtain the result of measuring the particular physical value it is necessary to multiply the instrument's reading (or average value of some readings) through by the conversion coefficient indicated for each measured value and for each measurement subrange on the instrument face panel on the right side from the slide-switch S3. The results are in measurement units indicated on the instrument panel below the indicator board. For the consumer's convenience the measured value designation, its measurement units and conversion coefficient values (Table 3) are marked on the face panel with the paint of one color different