



## SCINTILLATION BETA-GAMMA-SPECTROMETERS

***Approved by IAEA***

***Expert and express Radiation control of foodstuff, water, milk, meat, rice, herb, cereal, seafood, building materials and other according to the any national regulation in native samples***

**20 years seccessful use for controll of food stuff after Chornobyl nuclear accident**



## PURPOSE

The joint beta-gamma-spectrometers SE-BG-01 CAKP<sup>137</sup> are designed for determination of qualitative and

### AppliCation

The joint spectrometers are applied for complex solving of all tasks of radiation monitoring and radiation control of food stuff, water, milk, meat, rice, herb, cereal, see food, building materials and other according to the any national normative documents in laboratories of government bodies, privet enterprises, food storage and markets, custom, certification centers, expert laboratories, hospitals, veterinary services and other.

The special software allows providing express-control for not exceeding permissible level of radionuclides for very short time - minutes. In the same time it is good instrument to execute expert measuring.





- The spectrometers constitute the several measuring sections, joint by the same software.
- It is possible to operate separately each circuit.
- Accuracy of measurements results is increased due to considering of measurements results of the same sample in the different circuits.
- There is widening of reliable express-control possibilities for the wide range of samples.
- The spectrometers are very easy in use – do not need operator with high skills for routine measurements.

### Time of native sample measurement for not exceeding of permissible levels by different detectors

Spectrometer

SEG-001-“AKP-S”

SEB-01-70

SEB-01-150

Detector

63\*63

70

150

Sample volume (l)

1.00

0.14

0.030

0.010

0.160

permissible levels

(Bq/l, Bq/kg)

Time of measurement (s.)

<sup>137</sup>Cs

Meat

200

10

90

2600

55

Fish

150

15

140

4500

100

Milk

100

25

230

9800

180

Fruits

70

35

370

19500

240

Potatoes

60

45

460

26200

450



**Vegetables**

40

80

790

600

90 Sr

**Fish**

35

11200

1050

Milk,

Meat,

Vegetables

20

3000

