"PROGRESS-BETA"

SCINTILLATION BETA SPECTROMETER

Progress-Beta

- Measurement of strontium-90 in the foodstuffs, agricultural products, etc.
- Measurement of gross beta activity in sample
- Self tests using built-in LED

Physical characteristics

Detector:

- Plastic scintillator Ø70x10 mm

Sample:

- Plate Ø70 mm
- Weight: up to 15 g

Energy range:

- 0.2 ÷ 3.0 MeV

Minimum detectable activity of Sr-90 in a 10 g sample on a standard planchet, Bq/sample:

- In case of absence of K-40 in the sample: 0,1 Bq
- In case the activity of K-40 till 5 Bq/g: 0,5 Bq

Electrical characteristics

Interface:

- USB

Mechanical characteristics

Weight:

- No more 50 kg

Complete set

Basic complete set:

- Detector unit with plastic scintillator, integrated power supply, amplifier, ADC
- Lead shielding
- "Progress" software
- Check source for energetic calibration (Sr-90-Y-90)
- Planchet Ø 70 mm (5 items)
- Sample dencification device
- Procedure manual for measurement of radio-nuclides' activity using the scintillation beta spec-trometer "Progress"

Optional equipment and service:

- Personal computer and printer
- Calibrations for radionuclides not included in the main library of radionuclides

Reference standards: *IEC 61562*