

"Progress-Gamma": Scintillation gamma spectrometer

- Measurement of gamma activity in foodstuffs, soil samples and others environmental objects
- Identification of radionuclides in the sample
- Automatic correction for sample density;
- Self-tests using built-in LED

Physical characteristics

Detector:

- NaI (TI) Ø63×63 mm

Validated measurement geometries:

- Marinelli beakers (1 liter), Petri dishes (Ø90 mm) etc.

Energy range:

- 0.2 ÷ 3.0 MeV

Minimum detectable activity, Bq/sample:

- Cs-137: 3 Bq
- Th-232: 7 Bq
- Ra-226: 8 Bq
- K-40: 40 Bq

Electrical characteristics

Interface:

- USB

Reference standards:

- IEC 61563

Mechanical characteristics

Weight:

- No more 120 kg

Complete set

Basic complete set:

- Scintillation detector unit with NaI (TI) detector with integrated power supply, amplifier and ADC
- Lead shielding 50 mm
- "Progress" software
- Check source for energy calibration (Cs-137 + K-40)
- Marinelli beakers - 1 liter (5 items)
- Petri dishes, Ø 90 mm (5 items)
- Procedure manual for measurement of activity of radionuclides using the scintillation gamma spectrometer "Progress"



Progress-Gamma

Optional equipment and service:

- Kit for radon measurements, including calibration of "IC-63" geometry for counting the charcoal samples
- Personal computer and printer
- Calibrations for user defined geometries
- Calibrations for radionuclides not included in the main library of radionuclides



Spectrometry

Radiation control equipment

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