

HEAT-CHECK SV

FOR THE MOST ACCURATE QUANTIFICATION OF SMALL CONTAINERS



MEASUREMENTS OF SMALL VOLUME WASTE OR CONTAINERS

Up to 3 to 15 liters

QUANTITATIVE AND NON-DESTRUCTIVE MEASUREMENTS

With the highest accuracy for isotopes like plutonium or tritium

RESULTS INDEPENDENT OF MATRIX AND CONDITIONING EFFECTS

Ideal addition to gamma spectrometry

SOFTWARE AND AUTOMATION OPTIONS

For simple and safe use

PERFORMANCE

Lower quantification limit*	Tritium	5 to 10 mg
	Plutonium	0.8 to 1.5 g
	Others	Following the specific activities of the materials to characterize
Higher quantification limit*	Tritium	9 to 62 g
	Plutonium	1.5 to 10 kg
	Others	Following the specific activities of the materials to characterize
Measurement accuracy		Better than 2% or better than 0.5%
Measurement precision		Better than 0.15 to 0.2%
Measurement time**		3 to 4h

GENERAL

Container volume		Up to 3.3 or 15 L, others on request
Temperature control of containers	System	Water or air flow
	Range	25 to 40°C
Dimensions (WxDxH)		700 x 460 x 750 to 1 040 x 780 x 850 mm
Weight		300 to 500 kg

* Following the limit in mW and the specific power of the radionuclide in mW/g

** Varies considerably with the mass, thermal conductivity and container shape. The measurement time indicated includes the use of predictive calculation algorithms.