HEAT-CHECK MV

FOR THE MOST ACCURATE QUANTIFICATION OF MEDIUM CONTAINERS

MEASUREMENTS OF MEDIUM VOLUME WASTE OR CONTAINERS

Up to 20 to 60 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 30 mg
	Plutonium	0.8 to 5 g
	Others	Following the specific activities of the materials to characterize
Higher quantification limit*	**Tritium**	9 to 77 g
	Plutonium	1.5 to 13 kg
	Others	Following the specific activities of the materials to characterize
Measurement accuracy		Better than 1%
Measurement precision		Better than 0.5%
Measurement time**		3 to 4h

GENERAL		
Container volume		Up to 20 or 60 L, others on request
Temperature control of containers	**System**	Water or air flow
	Range	25 to 40°C
Dimensions (WxDxH)		970 x 830 x 1240 to 1 430 x 1 130 x 1 230
Weight		660 to 1000 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.