

COMO Contamination Monitor

OUR PRECISION FOR YOUR SAFETY.
We measure radioactivity & radon
and calibrate your measurement system.

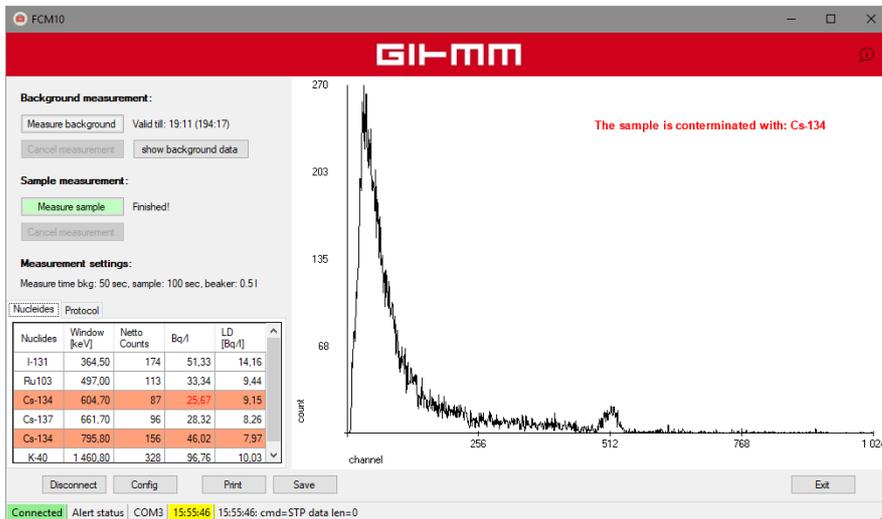
COMO Contamination Monitor

A significant part of radioactivity intrudes into the human body by food intake. Many international organisations like WHO or IAEA have published recommendations about maximum activity concentration of several radionuclides in food. The GIHMM COMO contamination monitor was designed for the quantification of radioactivity and identification of nuclides in food and other materials. It is based on the GIHMM spectrum gamma probe GSP02. Due to its large sample intake volume and due to 35 mm lead shielding, COMO enables significantly more accurate measurement results than comparable products in its class at a very attractive price.

MAIN APPLICATIONS

The ease of use of COMO and its measurement accuracy make it the ideal analysis tool for a wide range of applications:

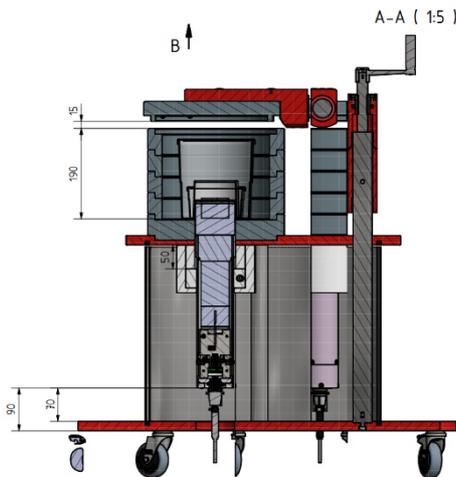
- Foodstuffs, milk, juices
- Pet foods
- Waste products, wastewater, sewage sludge
- Raw materials, earth
- Finished products, components
- Test specimens



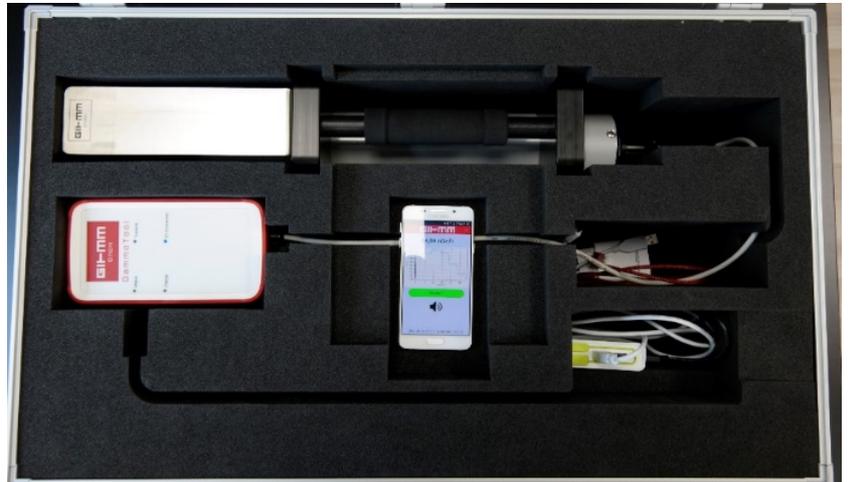
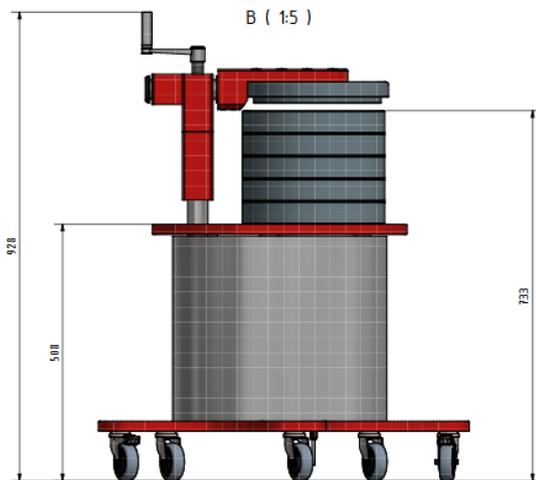
Software features:

- Windows 7 upwards standard software
- USB connection including power supply
- Can be used from a Notebook
- Compatible with GT1
- Portable, installer free Software
- Configurable measurement parameters
- Detailed PDF protocol functions with spectrum.
- Data export to CSV format





Type	COMO (with USB-Power Cable)
USB _{in}	U _{IN} (see USB Specification) I _{IN} max 200 mA
Temperature range	-20 °C to +60 °C
Connector _{out}	U _{OUT} 12 V _{DC} +/- 10% I _{OUT} max 200 mA
USB _{out}	I _{OUT} max 2 A U _{OUT} (see USB Specifications) U _{OUT} off ≤ 3,35 V _{DC}
Serial Protocol Version	OSSENS
Near Real Time Data	Yes
Dimensions	LxWxH 760x760x928 mm
Mass	approx. 160 kg



GAMMO CASE – for easy transport of all accessories and probe.

Type	GSP02 N55/232	GSP02 N76/232
Detector Scintillator	Nal(Tl)	Nal(Tl)
Detector size	55x55mm -> 2"	76x76mm -> 3"
Measuring range	10 nSv/h ÷ 50 µSv/h	10 nSv/h ÷ 50 µSv/h
Energy range (Crystal)	33 keV ÷ 2 MeV	33 keV ÷ 3 MeV
Dose-rate energy dependence	±30%, ref. Cs-137	
Energy resolution FWHM at Cs137	< 7%	
Multichannel analyser	1024 channel	
Temperature range	-30°C ÷ +60°C	
Temperature dependence	less than ±3keV	
Measuring uncertainty	H*10 ≤ 50 µSv/h: ±15%	
Mass	< 3 kg	

Technical Data for the available compatible GSP02 models with COMO.



GSP02 with GAMMO TOOL (above)

FCM10

Gihmm

Cs-137	661.70	96	28.32	8.26
Cs-134	795.80	156	46.02	7.97
K-40	1460.80	328	96.76	10.03

channel

Disconnect Config Print Save Exit

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