

RADOSYS

The Global Radon Test Instrumentation Supplier

Manufacturer and Research Designer
of Nuclear Track Detector systems
And CR-39 Material



Proudly Introducing the ...

RSX Multi-Purpose Passive Radon Detector

by Erik Hulber, Radosys Ltd

Intercomparison Workshop, Milano, 2017

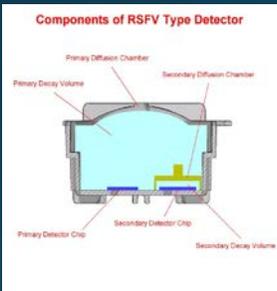
Historical Various Functional Types



Standard type for Long Term Tests (3 Months)



Short Term test Type with 20mmX20mm CR-39 Chip



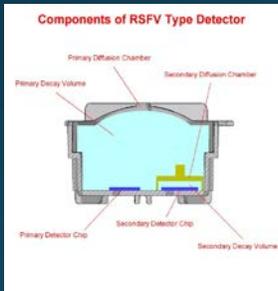
Double Chamber Type for Extreme Wide Detection Range Applications



Thoron-Radon Combination Detector

RSX the All-in-One Type Detector

Old Functional Types



New RSX multi-purpose type



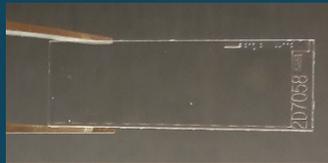
RSX Detector Configuration Examples

Long term test
Typical 3 months



1 x CR39 chip / Standard Size / 10 mm X 10 mm

Short term test
Typical 4 weeks



1 x CR39 chip / Large Size / 30 mm X 10 mm

Super short term test
Typical 3 weeks



2 x CR39 chip / Large Size / 30 mm X 10 mm

Extreme short term test
Typical 2 weeks

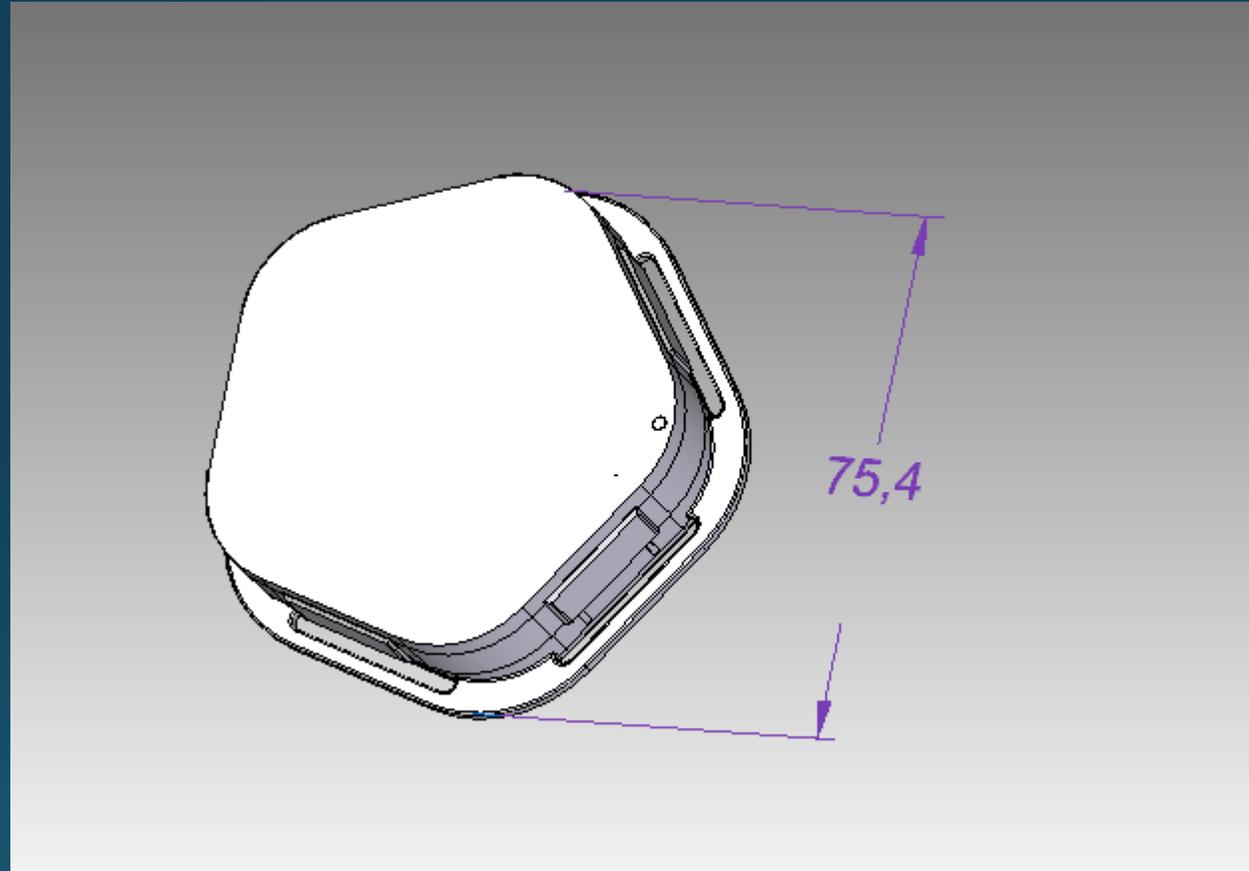


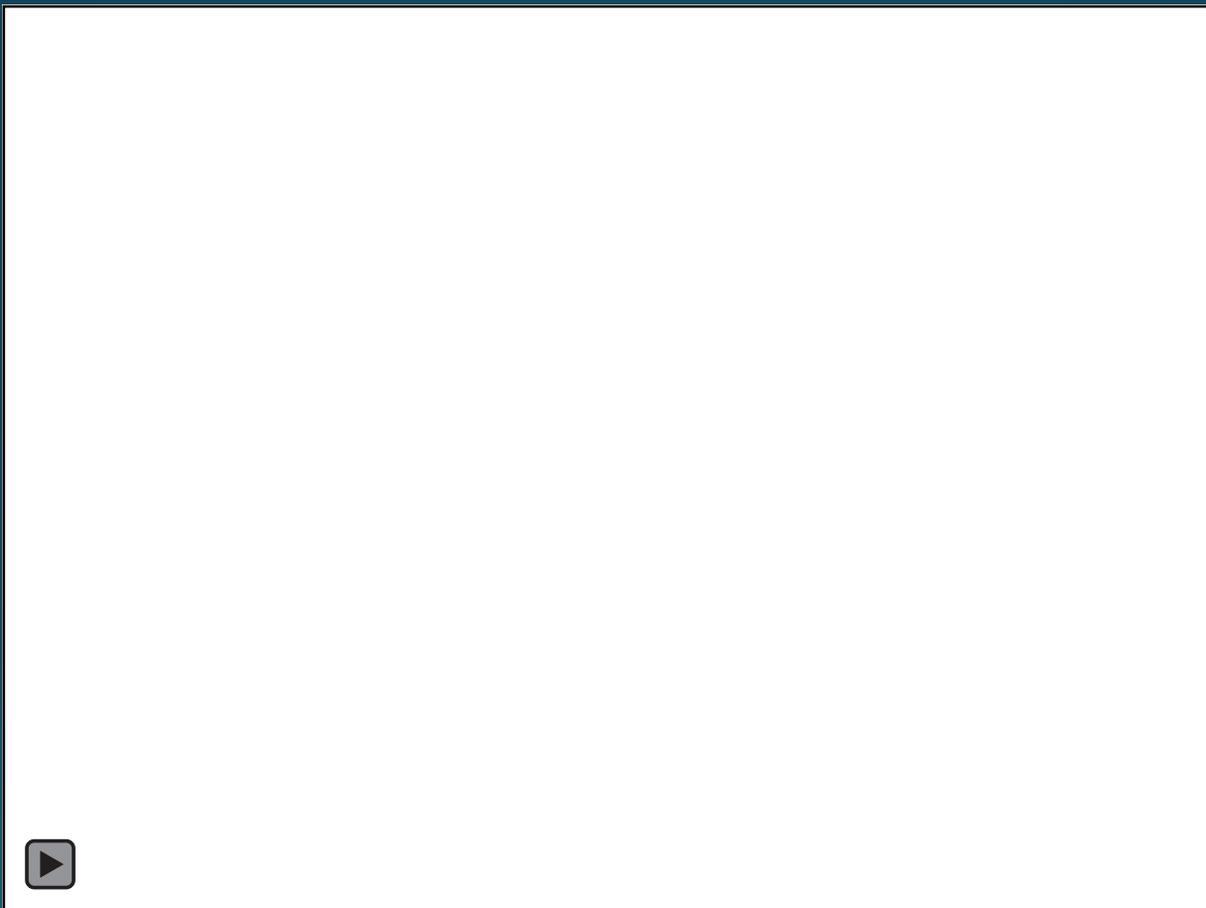
3 x CR39 chip / Large Size / 30 mm X 10 mm

Comment -

All kind of short term tests are for screening purpose only.
It cannot replace a certified long term test

RSX is relatively large size by purpose





Top Surface Form Fields



... To Write Start and End Date of exposure

→ Enhanced Reliability of Data Recording
by the user of the detector

RSX Compatibility

- Compatible with all the Radosys track readers and etching bath

1	12	240	READER CAPACITY
The Economical	The Popular Standard	The Lab Draft Horse	
			FULL COMPATIBILITY WITH ALL RADOSYS DETECTORS
20	432		ETCHING CAPACITY
			FULL COMPATIBILITY WITH ALL RADOSYS DETECTORS

Standard Radosys Features

- Chamber made of conductive plastics
- Thickness is less than 25 mm. At RSX thickness = 20 mm.
- Detector is sealed in radon proof pouch.
- Sealing is under pure Nitrogen atmosphere
- Customized multicolor graphics label available
- Temper proof design. Dedicated tool is needed to open

RSX Product Samples Are Available

In Italy - FGM Ambiente Srl. www.fgmambiente.it

Rest of Europe - Radosys Ltd www.radosys.com

Thank you for your attention !

Radosys made CR-39 background statistics

Production technology update in 2016

To reduce CR-39 background and ageing characteristics

