

QuantTM for RayMon10TM

The ultimate quantitative activity
analysis tool.

Provides rapid, accurate activity
measurements of point source
and distributed isotopes both in
the field and in the laboratory



RayMon10™

Quant™



Minimum Detectable Activity (Bq/g) for Cs137	Scan Time	Degree of confidence in typical background
4	<1min	95%
0.4	<10min	95%
0.1	<1hr	95%

Applications include:

- Decommissioning
- Environmental Monitoring
- Waste Disposal

Features:

- Rugged and easy to operate both in field and laboratory use
- Provides activity analysis in complex spectra where normal detectors cannot be used
- Can be used with distributed (soil, building material sample, liquid waste) and point source (air sampling filters, calibration sources) samples
- Unique field reporting technology allows isotope analysis to be tagged to photographs, notes and GPS coordinates and reports to be transmitted directly from the field for immediate response
- PDF reporting facility
- Radionuclide library tailored to customer needs

RayMon10™ Quant

Quantitative activity analysis module provides the complete hardware and software package required for accurate measurements of specific radionuclides. The module is fully ruggedized for field use.

Accurate measurements of radionuclide activity can now be made in field with the RayMon10™ using the Quant™ module

Raymon10™ advanced high resolution detector allows quantitative analysis of isotopes which normally overlap in lower resolution instruments based on LaBr3 or NaI. This unique capability allows rapid in-field analysis and sample classification, avoiding costly delays associated with laboratory or radiochemical analysis.

Quant™ is simple to use for distributed or point sources. The beaker and sample collection tools provided allow either sample type to be accurately presented to the detector in seconds. Measurement time is determined by the required MDA and can be executed in minutes.



The RayMon10 Quant eliminates the need for lab-based intrusive sampling and radiochemical analysis in order to determine the classification of the material

Results
Analyze or Save your measurement

Clearly separated Cs137 energy peak

Activity Results
View the activity analysis results

Source	Result (Bq)	Uncertainty (Bq)	MDA (Bq)
Cs-137	433614	+/-2147.61	2253
Cs-134	<372.733		764.285

Real : 500 sec
Live : 483 sec

GR1 Detector Power = 90%

View Report
View the details of a saved report

Date : 5/3/13 Time : 14:44:56

Sample Test

Immediately reported activity results

Location : 54.511896,N, 1.434654,W

GR1 Detector Power = 90%

Radionuclide	Minimum Detectable Activity
Cs134	0.1 Bq/g
Cs137	0.1 Bq/g

Other radionuclides available upon request

The Quant analysis pack



Distributed sample measure



Point sample measure



Flash disk containing Quant software



RayMon10™

Every Kromek RayMon10™ comes complete in its own heavy-duty weatherproofed and ruggedised Peli Case containing the following items as standard:

- Ruggedised handheld PC
- RayMon10™ detector probe
- Detachable coiled cable
- Wall charger with universal international plug adapters
- Accessory/storage pocket
- Operating manual
- Test certificates

Optional extras:

- Extra battery pack
- 12 volt in-car charger
- 5MP camera module



detect image identify