

*portable tritium
monitor*

β ionix

sensitive
dynamic
stable
accurate



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β activity measurement



Due to an ultra high sensitivity, a good compactness and a long battery life, the **β ionix** is the perfect tool for your emergency units to detect Tritium in air or other β gases (Kr85, Xe133, C14,...).

Its full digital technology enables the control of two ionization chambers for a dual measurement (gamma compensation or reference unit).

All the results are displayed in digital, graphic or bargraph mode thanks to a very intuitive and upgradable navigation menu.

benefits

✓ **large measurement range**

from 2500 Bq/m³ to 80 TBq/m³, choice of the units LPCA, LDCA or Bq/m³...(3 units among 15 possibilities).

✓ **full digital technology**

very high accuracy, long term stability, ultra high sensitivity, fast response, dual measurement.

✓ **easy to use**

touch screen with intuitive menu, results displayed in digital and graphic mode, bargraph with alarm levels, data logging on 32 days.


✓ **light and rugged**

5 kgs, fo use under all operating conditions, all types of accessories available.

✓ **modular and upgradable**

100 cm³ or 1l ionization chamber, with or without reference unit, program update by Compact Flash,...

capabilities




Compact Flash card : system program, data storage and transfer, software update

Coloured touch screen : digital and graphic display of the results, bargraph with alarm levels. Display of battery's charging cycle.

Alarm relay


Rugged carrying handle




Intuitive navigation menu : one point /sec resolution. **8 days of data display** with mean and max values. **Zoom** by simple clicking.

Modular : 1l or 100 cm³ chamber with reference unit

Interchangeability of the plug-in units for an easier maintenance



Setting of the level alarms and status alarm : test function, handling...



technical specifications

Measurement range	From 2500 Bq/m ³ to 80 TBq/m ³ (depends on preamplifier)
Decades	5 or 8
Sensitivity	3×10^{-19} A (equivalent to 75 Bq/m ³)
Accuracy	+/- 1 %
Stability	10^{-16} A / year
Response time	90 % of final value reached within 5 seconds
Operating temperature range	From -5° C to +40° C
Operating humidity range	From 5 to 95 %
Power supply	Battery pack (6h battery life) or 230 VAC Connection to a cigarette lighter charger.
Weight	5 kgs
Size (l x h x p)	255 x 155 x 330 mm
Data storage	On Compact Flash - capacity : 32 days of data
Alarms	2 sounding and visual adjustable alarms, dry contact
Display	Coloured touch screen, digital and graphic display
Gas sampling	Built-in pump, flowrate : 1,2 l/mn