

# BECQUEREL METER

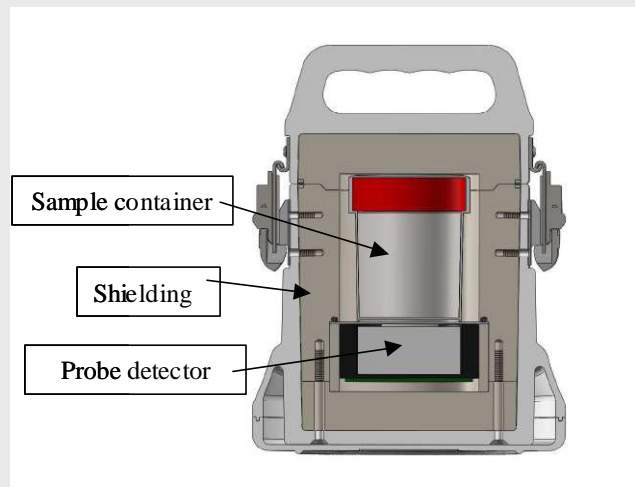
## for the measurement of gamma activity



This new generation of Becquerel meter has been especially developed for an easy measurement of the gamma activity. It can be used for quality controls in specialized laboratories as well as for measurements of gamma radiation contamination of food, plants, soil and others liquids or solid products, performed by non specialized persons. This compact set-up incorporates the most advanced design in scintillation counting (scintillator coupled to silicon detector). It allows quick quantification of contamination of different products taking into account natural radioactivity, and optionally allows the identification of the radioactive elements by spectra registration via an USB link connection.

### *Main characteristics*

- Dimensions



- Condition of use:  
from -10 to +50 °C, knowing that calibration was performed at RT (detector performance vary with temperature)
- Weight = 12 kg
- Sample housing: waterproof
- Sample support: ordinary plastic recipient of 100 cm<sup>3</sup> volume



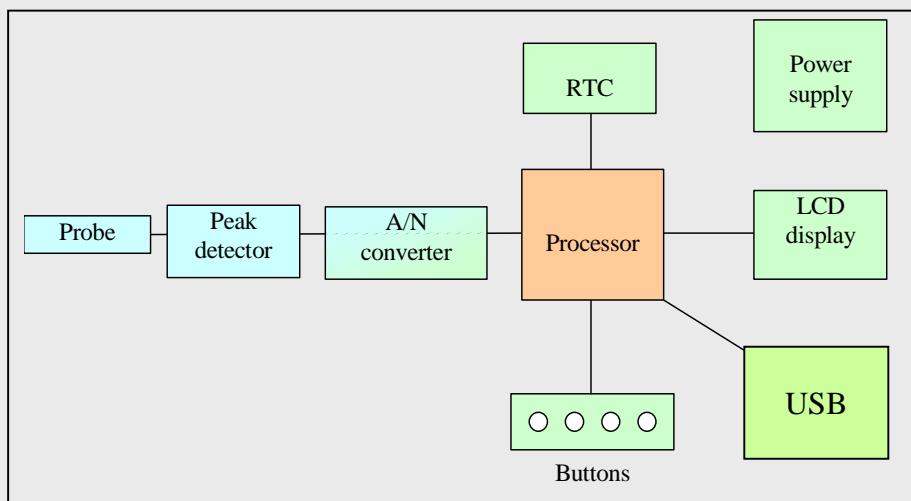
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## for the measurement of gamma activity

- Measurements:
  - in Bq/l or Bq/kg,
  - total activity, lasting time,
  - control and memorization of measurements parameters,
  - spectra acquisition,
  - transfer of data to PC.
- Some dialog windows



### Synoptic scheme of Becquerel meter



### Examples of spectra registered with Becquerel meter

