

Hidex Triathler

Becquerel Finder



Triathler Becquerel Finder is optimized for detection of radioactive isotopes in the event of a nuclear emergency in food. The instrument is equipped with an external NaI detector with an enlarged lead shield, which facilitates the use of Marinelli beakers with total sample volume of up to 1L. This enables rapid detection of I-131, Cs-134 and Cs-137 in foodstuff, water and milk.

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Key Features

- Simple operation, the user selects the nuclide by name and presses the 'start' key, the instrument does the rest and provides total count rate.
- The Becquerel Finder can be connected to Triathler LSC for combined alpha and beta detection.
- **Preset Nuclides:** I-131, Cs-134 and Cs-137.
- **Detection Limit:** 20Bq/L Cs-137 (5 minutes counting time).
- 15 keV - 1000 keV energy range, 1023 channel MCA.
- Stand alone or connected to a PC.
- 50 x 50 mm NaI detector planar type.
- Background shield 40 mm of lead.
- Single or dual label counting with spillover correction.
- RS-232 connection or with USB adapter.
- **Power input:** 12V DC, 3 A or 100/240 V AC, 50/60Hz
- **Dimensions and Weight:**
Control Unit: H 19 cm x L 33 cm x W 25 cm, Weight 6 kg
Lead Shield: H 40 cm x D 24 cm, Weight 105 kg

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Certificate No: 10926
ISO 9001

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