



## Spectrometric Personal Radiation Detector

Personal High Resolution Detector, Identification and Dose Assessment

GalaXray is a high resolution CZT-type detector that delivers unparalleled performance in express radionuclide identification and radiation dose assessment from low to moderate high levels. Continuous dose rate monitoring and recording enables user to be instantly informed about radiation exposure and/or carefully analyze radiation dose risks by exploring the dose rate recorded charts.

This practical belt wearable cellphone-sized, three-button operated, handheld gamma-spectrometer is used for radiation dose assessment, dose rate time profile recording, express nuclide identification with up to one thousand gamma-spectra storage.

The instrument is accompanied by GalaxRayWiz software, a powerful tool which communicates with the device, analyzes gamma-spectra and dose-rate time profiles accumulation of 14 hours. Collected data can be easily transferred via USB or WiFi.

GalaXray is the most technologically advanced radio isotope detector, identifier and dose assessment device of its size in the industry.

### GalaXray is suitable for:

- Nuclear Energy Workers
- Radiochemical and radiopharmaceutical industries
- Steel, Scrap and Waste recycling
- Radiological services
- First response and border control
- General public



### Contact Information

145 South Livernois Road #171,  
Rochester Hills,  
Michigan, 48307  
Telephone: 248-766-4807  
Fax: 877-943-7873  
Website: [galaxray.com](http://galaxray.com)

### European representative

ZRF Ritec SIA  
23 Aizkraukles St., Riga, LV-1006, Latvia  
Tel./Fax: +371-67543304  
E-mail: [ritec@ritec.lv](mailto:ritec@ritec.lv)  
Website: [www.ritec.lv](http://www.ritec.lv)

## GalaXray technical specifications:

### Mechanical:

Dimensions: L 5.25" (135 mm), W 3.0" (75mm), H 1.0"(25mm)

Weight: 7 oz (~ 200 g)

### Gamma-detector:

CZT ( 10mm x 10mm x 5mm)

Energy range: 0.04 – 3.0 MeV, 1024 ch

Energy resolution: 1.8 -3.5 % @ 662 keV

Dose rate range: 0.02  $\mu$ Sv/hr – 30 mSv/hr

Display: LCD 2.8", 240 x 320 pixels, backlight

Alarms: audio (~85 dB), audio jack, vibrator, LED

Operations: 3-button keyboard

Data storage: up to 1000 spectra and up to 8 hours of dose rate time records.

Data transfer: USB, Wi-Fi

Electrical: Lithium-ion rechargeable battery, external charge 100-240V

Continuous Work: with WiFi on and backlight on- up to 14 hours

Continuous Work: with WiFi off and screensaver on- up to 26 hours

Charge time: 4-5 hrs, battery indicator on display

Environmental: from -10 °C to 50 °C ( -4 °F to 122 °F)

### GalaxrayWiz PC GUI:

