

## Comparative characteristics of the search gamma detector "RT-3.0" - analog Gamma Finder®

Gamma Finder®	Search gamma detector «RT-3.0»
<p>The Gamma Finder® II is subject to annual maintenance regularly or when a battery symbol appears on the display. Scope of maintenance work for GammaFinder®II:</p> <ul style="list-style-type: none"> <li>• Battery Replacement</li> <li>• Checking the calibration of the sensor, adjusting the sensor if necessary</li> <li>• Spectroscopic quality control of the detector</li> <li>• Visual inspection, cleaning the case</li> </ul>	<p>Does not require annual maintenance (Self-diagnosis mode). Built-in spectrometric channel. Easy way to replace the battery. The case of the device is structurally made in a shockproof case in the form of a monoblock.</p>

### Technical characteristics

Parameter	Gamma Finder II	Gamma detector «RT-3.0»
Resolution Angle $^{99m}\text{Tc}$ (140 keV) FWHM:	<42 deg.	Improving spatial resolution by using a collimator <20 degrees
Resolution $^{99m}\text{Tc}$ (140 keV) FWHM: (10 mm source from the end of the probe)	<14 mm	Improved spatial resolution by using a collimator <5 mm
Secondary protection $^{99m}\text{Tc}$ (140 keV): (Source in contact with the probe)	>99.95%	>99.95%
Absolute resolution $^{99m}\text{Tc}$ (140 keV): (10 mm source from the end of the probe)	> 10000cps/MBq	Determined by the scintillator volume, but not less than > 10000cps / MBq
Threshold $^{57}\text{Co}$ , $^{99m}\text{Tc}$ , $^{123}\text{I}$ , $^{111}\text{In}$ , $^{131}\text{I}$	10 keV	10 keV
Weight	210 grams	210 grams
Battery life of at least	300 hours	Battery charge will be provided 300 hours
Maintenance and repair	-	Increased between span