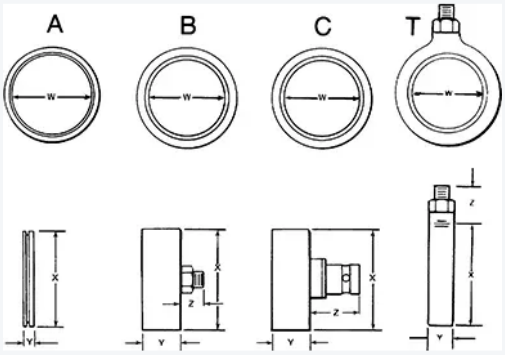
ORTEC

ORTEC R Series

Ruggedized silicon surface-barrier detectors

ORTEC R Series comprises 49 models (ruggedized silicon s urface-barrier detectors). The models differ in active area, d epletion depth and warranted resolution, among other things – c ompare them in the model table.



Models

Model	Detector type	Minimum active area	Minimum depletion depth	Mount
BR-SNA-300-100	Low-background Ruggedized R Series detector [1]	≥300 mm² [2]	≥100 µm [2]	B: rear Microdot [3]
BR-SNA-450-100	Low-background Ruggedized R Series detector [1]	≥450 mm² [2]	≥100 µm [2]	B: rear Microdot [3]
BR-SNA-600-100	Low-background Ruggedized R Series detector [1]	≥600 mm² [2]	≥100 µm [2]	B: rear Microdot [3]
BR-SNA-900-100	Low-background Ruggedized R Series detector [1]	≥900 mm² [2]	≥100 µm [2]	B: rear Microdot [3]
R-015-050-100	Ruggedized silicon surface barrier, partially depleted [1]	≥50 mm² [2]	≥100 µm [2]	–
R-015-050-300	Ruggedized silicon surface barrier, partially depleted [1]	≥50 mm² [2]	≥300 µm [2]	–
R-015-050-500	Ruggedized silicon surface barrier, partially depleted [1]	≥50 mm² [2]	≥500 µm [2]	–
R-016-150-100	Ruggedized silicon surface barrier, partially depleted [1]	≥150 mm² [2]	≥100 µm [2]	–
R-016-150-300	Ruggedized silicon surface barrier, partially depleted [1]	≥150 mm² [2]	≥300 µm [2]	–
R-016-150-500	Ruggedized silicon surface barrier, partially depleted [1]	≥150 mm² [2]	≥500 µm [2]	–
R-017-050-100	Ruggedized silicon surface barrier, partially depleted [1]	≥50 mm² [2]	≥100 µm [2]	–
R-017-050-300	Ruggedized silicon surface barrier, partially depleted [1]	≥50 mm² [2]	≥300 µm [2]	–

R-017-050-500	Ruggedized silicon surface barrier, partially depleted [1]	≥50 mm² [2]	≥500 µm [2]	–
R-018-150-500	Ruggedized silicon surface barrier, partially depleted [1]	≥150 mm² [2]	≥500 µm [2]	–
R-019-150-100	Ruggedized silicon surface barrier, partially depleted [1]	≥150 mm² [2]	≥100 µm [2]	–
R-019-150-300	Ruggedized silicon surface barrier, partially depleted [1]	≥150 mm² [2]	≥300 µm [2]	–
R-019-300-100	Ruggedized silicon surface barrier, partially depleted [1]	≥300 mm² [2]	≥100 µm [2]	–
R-019-300-300	Ruggedized silicon surface barrier, partially depleted [1]	≥300 mm² [2]	≥300 µm [2]	–
R-019-300-500	Ruggedized silicon surface barrier, partially depleted [1]	≥300 mm² [2]	≥500 µm [2]	–
R-020-450-100	Ruggedized silicon surface barrier, partially depleted [1]	≥450 mm² [2]	≥100 µm [2]	–
R-020-450-300	Ruggedized silicon surface barrier, partially depleted [1]	≥450 mm² [2]	≥300 µm [2]	–
R-020-450-500	Ruggedized silicon surface barrier, partially depleted [1]	≥450 mm² [2]	≥500 µm [2]	–
R-021-300-100	Ruggedized silicon surface barrier, partially depleted [1]	≥300 mm² [2]	≥100 µm [2]	–
R-021-300-300	Ruggedized silicon surface barrier, partially depleted [1]	≥300 mm² [2]	≥300 µm [2]	–
R-021-300-500	Ruggedized silicon surface barrier, partially depleted [1]	≥300 mm² [2]	≥500 µm [2]	–
R-024-450-100	Ruggedized silicon surface barrier, partially depleted [1]	≥450 mm² [2]	≥100 µm [2]	–
R-024-450-300	Ruggedized silicon surface barrier, partially depleted [1]	≥450 mm² [2]	≥300 µm [2]	–
R-024-450-500	Ruggedized silicon surface barrier, partially depleted [1]	≥450 mm² [2]	≥500 µm [2]	–
R-025-600-100	Ruggedized silicon surface barrier, partially depleted [1]	≥600 mm² [2]	≥100 µm [2]	–
R-025-600-300	Ruggedized silicon surface barrier, partially depleted [1]	≥600 mm² [2]	≥300 µm [2]	–

R-025-600-500	Ruggedized silicon surface barrier, partially depleted [1]	≥600 mm² [2]	≥500 µm [2]	–
R-030-900-100	Ruggedized silicon surface barrier, partially depleted [1]	≥900 mm² [2]	≥100 µm [2]	–
R-030-900-300	Ruggedized silicon surface barrier, partially depleted [1]	≥900 mm² [2]	≥300 µm [2]	–
R-030-900-500	Ruggedized silicon surface barrier, partially depleted [1]	≥900 mm² [2]	≥500 µm [2]	–
R-033-600-100	Ruggedized silicon surface barrier, partially depleted [1]	≥600 mm² [2]	≥100 µm [2]	–
R-033-600-300	Ruggedized silicon surface barrier, partially depleted [1]	≥600 mm² [2]	≥300 µm [2]	–
R-033-600-500	Ruggedized silicon surface barrier, partially depleted [1]	≥600 mm² [2]	≥500 µm [2]	–
R-040-900-100	Ruggedized silicon surface barrier, partially depleted [1]	≥900 mm² [2]	≥100 µm [2]	–
R-040-900-300	Ruggedized silicon surface barrier, partially depleted [1]	≥900 mm² [2]	≥300 µm [2]	–
R-050-2000-100	Ruggedized silicon surface barrier, partially depleted [1]	≥2000 mm² [2]	≥100 µm [2]	–
R-050-2000-300	Ruggedized silicon surface barrier, partially depleted [1]	≥2000 mm² [2]	≥300 µm [2]	–
R-050-2000-500	Ruggedized silicon surface barrier, partially depleted [1]	≥2000 mm² [2]	≥500 µm [2]	–
R-053-900-500	Ruggedized silicon surface barrier, partially depleted [1]	≥900 mm² [2]	≥500 µm [2]	–
R-060-2000-100	Ruggedized silicon surface barrier, partially depleted [1]	≥2000 mm² [2]	≥100 µm [2]	–
R-060-2000-300	Ruggedized silicon surface barrier, partially depleted [1]	≥2000 mm² [2]	≥300 µm [2]	–
R-080-2000-500	Ruggedized silicon surface barrier, partially depleted [1]	≥2000 mm² [2]	≥500 µm [2]	–
TR-SNA-300-100	Low-background Ruggedized R Series detector [1]	≥300 mm² [2]	≥100 µm [2]	T: side Microdot, closed back [2]
TR-SNA-450-100	Low-background Ruggedized R Series detector [1]	≥450 mm² [2]	≥100 µm [2]	T: side Microdot, closed back [2]

TR-SNA-600-100	Low-background Ruggedized R Series detector [1]	≥600 mm² [2]	≥100 µm [2]	T: side Microdot, closed back [2]

Model	SEE-NO-ALPHA	Resolution warranty	Alpha Suite compatibility	Guaranteed maximum alpha resolution
BR-SNA-300-100	Noise checked without exposure to an alpha source before shipment [3]	Manufacturer warrants resolution; no numerical model value is stated in the SNA table [3]	Guaranteed for this B mount [2]	–
BR-SNA-450-100	Noise checked without exposure to an alpha source before shipment [3]	Manufacturer warrants resolution; no numerical model value is stated in the SNA table [3]	Guaranteed for this B mount [2]	–
BR-SNA-600-100	Noise checked without exposure to an alpha source before shipment [3]	Manufacturer warrants resolution; no numerical model value is stated in the SNA table [3]	Guaranteed for this B mount [2]	–
BR-SNA-900-100	Noise checked without exposure to an alpha source before shipment [3]	Manufacturer warrants resolution; no numerical model value is stated in the SNA table [3]	Guaranteed for this B mount [2]	–
R-015-050-100	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤15 keV FWHM [2]
R-015-050-300	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤15 keV FWHM [2]
R-015-050-500	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤15 keV FWHM [2]
R-016-150-100	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤16 keV FWHM [2]
R-016-150-300	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤16 keV FWHM [2]
R-016-150-500	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤16 keV FWHM [2]
R-017-050-100	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤17 keV FWHM [2]

R-017-050-300	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤17 keV FWHM [2]
R-017-050-500	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤17 keV FWHM [2]
R-018-150-500	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤18 keV FWHM [2]
R-019-150-100	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤19 keV FWHM [2]
R-019-150-300	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤19 keV FWHM [2]
R-019-300-100	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤19 keV FWHM [2]
R-019-300-300	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤19 keV FWHM [2]
R-019-300-500	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤19 keV FWHM [2]
R-020-450-100	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤20 keV FWHM [2]
R-020-450-300	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤20 keV FWHM [2]
R-020-450-500	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤20 keV FWHM [2]

R-021-300-100	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤21 keV FWHM [2]
R-021-300-300	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤21 keV FWHM [2]
R-021-300-500	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤21 keV FWHM [2]
R-024-450-100	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤24 keV FWHM [2]
R-024-450-300	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤24 keV FWHM [2]
R-024-450-500	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤24 keV FWHM [2]
R-025-600-100	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤25 keV FWHM [2]
R-025-600-300	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤25 keV FWHM [2]
R-025-600-500	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤25 keV FWHM [2]
R-030-900-100	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤30 keV FWHM [2]
R-030-900-300	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤30 keV FWHM [2]

R-030-900-500	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤30 keV FWHM [2]
R-033-600-100	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤33 keV FWHM [2]
R-033-600-300	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤33 keV FWHM [2]
R-033-600-500	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤33 keV FWHM [2]
R-040-900-100	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤40 keV FWHM [2]
R-040-900-300	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤40 keV FWHM [2]
R-050-2000-100	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤50 keV FWHM [2]
R-050-2000-300	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤50 keV FWHM [2]
R-050-2000-500	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤50 keV FWHM [2]
R-053-900-500	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤53 keV FWHM [2]
R-060-2000-100	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤60 keV FWHM [2]

R-060-2000-300	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤60 keV FWHM [2]
R-080-2000-500	–	–	Requires an approved special for Alpha Suite compatibility and warranted system specifications [2]	≤80 keV FWHM [2]
TR-SNA-300-100	Noise checked without exposure to an alpha source before shipment [3]	Manufacturer warrants resolution; no numerical model value is stated in the SNA table [3]	Requires an approved special; T mount is not the guaranteed B configuration [2]	–
TR-SNA-450-100	Noise checked without exposure to an alpha source before shipment [3]	Manufacturer warrants resolution; no numerical model value is stated in the SNA table [3]	Requires an approved special; T mount is not the guaranteed B configuration [2]	–
TR-SNA-600-100	Noise checked without exposure to an alpha source before shipment [3]	Manufacturer warrants resolution; no numerical model value is stated in the SNA table [3]	Requires an approved special; T mount is not the guaranteed B configuration [2]	–

Model	Resolution measurement conditions	Resolution measurement and warranty temperature	Bias polarity	Ordering mounts
BR-SNA-300-100	–	–	–	–
BR-SNA-450-100	–	–	–	–
BR-SNA-600-100	–	–	–	–
BR-SNA-900-100	–	–	–	–
R-015-050-100	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-015-050-300	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-015-050-500	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-016-150-100	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-016-150-300	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-016-150-500	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]

R-017-050-100	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-017-050-300	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-017-050-500	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-018-150-500	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-019-150-100	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-019-150-300	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-019-300-100	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-019-300-300	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-019-300-500	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-020-450-100	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-020-450-300	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-020-450-500	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-021-300-100	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-021-300-300	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]

R-021-300-500	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-024-450-100	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-024-450-300	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-024-450-500	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-025-600-100	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-025-600-300	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-025-600-500	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-030-900-100	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B or C (no T mount listed for 900 mm²); supplied in B mount unless otherwise specified [3]
R-030-900-300	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B or C (no T mount listed for 900 mm²); supplied in B mount unless otherwise specified [3]
R-030-900-500	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B or C (no T mount listed for 900 mm²); supplied in B mount unless otherwise specified [3]
R-033-600-100	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-033-600-300	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-033-600-500	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B, C or T (closed back); supplied in B mount unless otherwise specified [2]
R-040-900-100	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B or C (no T mount listed for 900 mm²); supplied in B mount unless otherwise specified [3]

R-040-900-300	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B or C (no T mount listed for 900 mm²); supplied in B mount unless otherwise specified [3]
R-050-2000-100	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	B or C (no A or T mount listed for 2000 mm²); supplied in B mount unless otherwise specified [3]
R-050-2000-300	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	B or C (no A or T mount listed for 2000 mm²); supplied in B mount unless otherwise specified [3]
R-050-2000-500	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	B or C (no A or T mount listed for 2000 mm²); supplied in B mount unless otherwise specified [3]
R-053-900-500	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	A, B or C (no T mount listed for 900 mm²); supplied in B mount unless otherwise specified [3]
R-060-2000-100	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	B or C (no A or T mount listed for 2000 mm²); supplied in B mount unless otherwise specified [3]
R-060-2000-300	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	B or C (no A or T mount listed for 2000 mm²); supplied in B mount unless otherwise specified [3]
R-080-2000-500	^{241}Am 5.486 MeV alphas; standard ORTEC electronics; 0.5 µs shaping time constants [3]	21 ±1 °C [4]	Negative [4]	B or C (no A or T mount listed for 2000 mm²); supplied in B mount unless otherwise specified [3]
TR-SNA-300-100	–	–	–	–
TR-SNA-450-100	–	–	–	–
TR-SNA-600-100	–	–	–	–

Model	Resolution reference geometry
BR-SNA-300-100	–
BR-SNA-450-100	–
BR-SNA-600-100	–
BR-SNA-900-100	–
R-015-050-100	Thin-window point source; distance at least 2 times the detector diameter [4]
R-015-050-300	Thin-window point source; distance at least 2 times the detector diameter [4]
R-015-050-500	Thin-window point source; distance at least 2 times the detector diameter [4]
R-016-150-100	Thin-window point source; distance at least 2 times the detector diameter [4]
R-016-150-300	Thin-window point source; distance at least 2 times the detector diameter [4]
R-016-150-500	Thin-window point source; distance at least 2 times the detector diameter [4]
R-017-050-100	Thin-window point source; distance at least 2 times the detector diameter [4]
R-017-050-300	Thin-window point source; distance at least 2 times the detector diameter [4]

R-017-050-500	Thin-window point source; distance at least 2 times the detector diameter [4]
R-018-150-500	Thin-window point source; distance at least 2 times the detector diameter [4]
R-019-150-100	Thin-window point source; distance at least 2 times the detector diameter [4]
R-019-150-300	Thin-window point source; distance at least 2 times the detector diameter [4]
R-019-300-100	Thin-window point source; distance at least 2 times the detector diameter [4]
R-019-300-300	Thin-window point source; distance at least 2 times the detector diameter [4]
R-019-300-500	Thin-window point source; distance at least 2 times the detector diameter [4]
R-020-450-100	Thin-window point source; distance at least 2 times the detector diameter [4]
R-020-450-300	Thin-window point source; distance at least 2 times the detector diameter [4]
R-020-450-500	Thin-window point source; distance at least 2 times the detector diameter [4]
R-021-300-100	Thin-window point source; distance at least 2 times the detector diameter [4]
R-021-300-300	Thin-window point source; distance at least 2 times the detector diameter [4]
R-021-300-500	Thin-window point source; distance at least 2 times the detector diameter [4]
R-024-450-100	Thin-window point source; distance at least 2 times the detector diameter [4]
R-024-450-300	Thin-window point source; distance at least 2 times the detector diameter [4]
R-024-450-500	Thin-window point source; distance at least 2 times the detector diameter [4]
R-025-600-100	Thin-window point source; distance at least 2 times the detector diameter [4]
R-025-600-300	Thin-window point source; distance at least 2 times the detector diameter [4]
R-025-600-500	Thin-window point source; distance at least 2 times the detector diameter [4]
R-030-900-100	Thin-window point source; distance at least 2 times the detector diameter [4]
R-030-900-300	Thin-window point source; distance at least 2 times the detector diameter [4]
R-030-900-500	Thin-window point source; distance at least 2 times the detector diameter [4]
R-033-600-100	Thin-window point source; distance at least 2 times the detector diameter [4]
R-033-600-300	Thin-window point source; distance at least 2 times the detector diameter [4]
R-033-600-500	Thin-window point source; distance at least 2 times the detector diameter [4]
R-040-900-100	Thin-window point source; distance at least 2 times the detector diameter [4]
R-040-900-300	Thin-window point source; distance at least 2 times the detector diameter [4]
R-050-2000-100	Thin-window point source; distance at least 2 times the detector diameter [4]
R-050-2000-300	Thin-window point source; distance at least 2 times the detector diameter [4]
R-050-2000-500	Thin-window point source; distance at least 2 times the detector diameter [4]
R-053-900-500	Thin-window point source; distance at least 2 times the detector diameter [4]
R-060-2000-100	Thin-window point source; distance at least 2 times the detector diameter [4]
R-060-2000-300	Thin-window point source; distance at least 2 times the detector diameter [4]
R-080-2000-500	Thin-window point source; distance at least 2 times the detector diameter [4]
TR-SNA-300-100	–
TR-SNA-450-100	–
TR-SNA-600-100	–

Sources

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Every value is taken from the manufacturer’s own document; the number after the value refers to the source list. Always check against the latest datasheet before ordering.

The data comes from the manufacturer’s published documents. Manufacturers may change specifications; the current configuration and performance are confirmed in the quotation.