

Sealed Sources for Industrial Gauging, Instrument Calibration and Analytics
ИГИА-1 - 14 (IGIA-1 - 14) Series Am-241 Gamma Sources

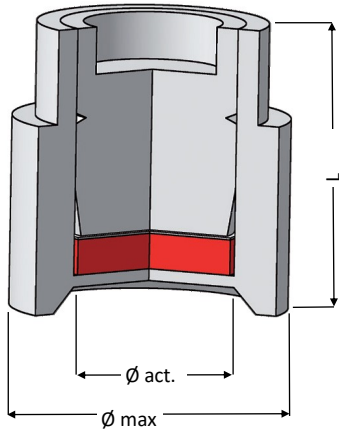


Fig. 1

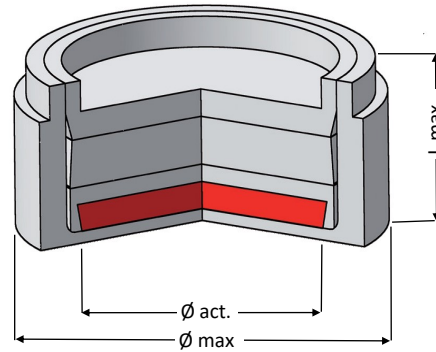


Fig. 2

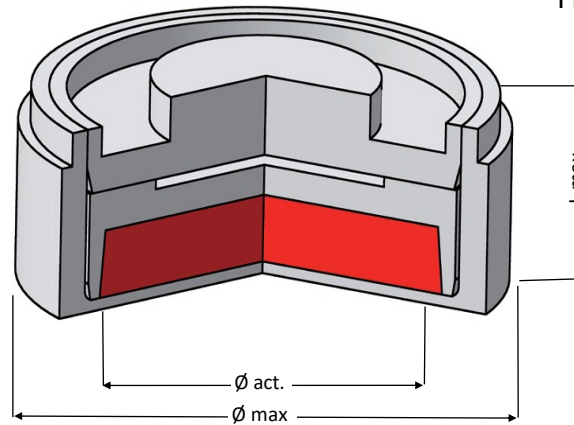


Fig. 3

Technical Specification

Special Form Certificate:	RUS/1014/S-96
ISO Classification:	E65445
Recommended Working Life:	15 years
Quality Control Tests	In accordance with ISO2919/ ISO9978
Quality System Compliance	ISO9001
Active Material	Am-241 bonded into a ceramic pellet
Capsule Material	Stainless steel equivalent to grade 300 for IGIA-1M, -2M, -3M, -4M, -5M. Stainless steel equivalent to grade 316L for IGIA-6, -7, -8, -9, -10, -11, -12, -13.-14
Capsule Type	Configuration as above. See table

Country of Origin

Sources are designed and manufactured by FSUE "MAYAK" P.A., Lenin Pr., 31, Ozyorsk, 456780, Russia.

Ordering Process

To specify the source required state the product code in Russian or English and the maximum activity.
e.g. IGIA-5M-1, 2.24Ci. Product certification shall use Russian script product code only.

Contact

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Product Availability

Max. Activity Am-241 (Ci)	Density of photon flux at a distance of 1 metre from the working surface (photons.sec ⁻¹ .cm ⁻²)	Φ max (mm)	Φ active (mm)	L max (mm)	Schematic ref.	Product Code (Official Russian)	Product Code (English)
0.14 mCi	8.6 ± 2.6	6.2	4.0	6.5	Fig.1	ИГИА-1М	IGIA-1М
1.40 mCi	86 ± 26	6.2	4.0	6.5	Fig.1	ИГИА-1М-1	IGIA-1М-1
7.80 mCi	430 ± 130	6.2	4.0	6.5	Fig.1	ИГИА-1М-2	IGIA-1М-2
14.0 mCi	860 ± 260	6.2	4.0	6.5	Fig.1	ИГИА-1М-3	IGIA-1М-3
32.0 mCi	(2.20 ± 0.66) x 10 ³	6.2	4.0	6.5	Fig.1	ИГИА-1М-4	IGIA-1М-4
100 mCi	(3.60 ± 1.08) x 10 ³	6.2	4.0	6.5	Fig.1	ИГИА-1М-5	IGIA-1М-5
250 mCi	(8.00 ± 2.40) x 10 ³	8.2	6.0	6.5	Fig.1	ИГИА-2М	IGIA-2М
480 mCi	(14.0 ± 4.2) x 10 ³	10.2	8.0	6.5	Fig.1	ИГИА-3М	IGIA-3М
140 mCi	(6.70 ± 2.00) x 10 ³	12.2	10.0	6.5	Fig.1	ИГИА-4М	IGIA-4М
700 mCi	(22.0 ± 6.6) x 10 ³	12.2	10.0	6.5	Fig.1	ИГИА-4М-1	IGIA-4М-1
430 mCi	(23.0 ± 6.9) x 10 ³	20.2	18.0	6.5	Fig.1	ИГИА-5М	IGIA-5М
2.24 Ci	(70.0 ± 21.0) x 10 ³	20.2	18.0	6.5	Fig.1	ИГИА-5М-1	IGIA-5М-1
1.30 mCi	80 ± 24	8.0	4.2	5.0	Fig.2	ИГИА-6-1	IGIA-6-1
4.60 mCi	250 ± 75	8.0	4.2	5.0	Fig.2	ИГИА-6-2	IGIA-6-2
13.0 mCi	800 ± 240	8.0	4.2	5.0	Fig.2	ИГИА-6-3	IGIA-6-3
110 mCi	(5.30 ± 1.60) x 10 ³	10.8	8.0	5.0	Fig.2	ИГИА-8	IGIA-8
110 mCi	(5.30 ± 1.60) x 10 ³	10.8	7.5	6.0	Fig.3	ИГИА-9	IGIA-9
350 mCi	(15.0 ± 4.5) x 10 ³	15.0	12.0	6.0	Fig.3	ИГИА-10	IGIA-10
570 mCi	(28.0 ± 8.4) x 10 ³	22.0	18.0	6.0	Fig.3	ИГИА-11	IGIA-11
1.11 Ci	(50.0 ± 15.0) x 10 ³	30.0	25.0	6.0	Fig.3	ИГИА-12	IGIA-12
3.51 Ci	(120 ± 36.0) x 10 ³	36.0	31.0	8.0	Fig.3	ИГИА-13	IGIA-13
6.80 Ci	(200 ± 20.0) x 10 ³	45.0	40.0	8.0	Fig. 3	ИГИА-14	IGIA-14

Other activities available on request. Please enquire.

Contact

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