GI192M5 type sealed Iridium-192 radionuclide gamma sources

The sources are used in gamma-projectors for radiographic control of products and materials quality.

Sources Specifications

Source Type	Source dimensions, mm		Active Core dimensions, mm		Nominal EDR at 1 m distance, A/kg	Equivalent activity (estimated value), Bq (Ci), max
	Diameter D	Length L	Diameter d	Length l (max)		
GI192M51	$4^{+0,3}$	5,0±0,15	0,5	0,5	$(14,75\text{-}55,99)\cdot10^{-9}$	$(1,85\text{-}7,03)\cdot10^{10}$ (0,5-1,9)
GI192M52			1,0	1,0	$(5,91\text{-}38,25)\cdot10^{-8}$	$(0,74\text{-}4,81)\cdot10^{11}$ (2-13)
GI192M53			1,5	2,0	$(2,41\text{-}11,75)\cdot10^{-7}$	$(0,30\text{-}1,48)\cdot10^{12}$ (8-40)
GI192M54			2,0	2,0	$(2,92\text{-}19,13)\cdot10^{-7}$	$(0,37\text{-}2,4)\cdot10^{12}$ (10-65)
GI192M55	$5^{-0,010}_{-0,022}$	6,0±0,15	2,5	2,5	$(7,3\text{-}25,04)\cdot10^{-7}$	$(0,93\text{-}3,15)\cdot10^{12}$ (25-85)
GI192M56			3,0	3,0	$(7,3\text{-}47,16)\cdot10^{-7}$	$(0,93\text{-}5,92)\cdot10^{12}$ (25-160)
GI192M56-1			2,0		$(7,3\text{-}13,27)\cdot10^{-7}$	$(0,93\text{-}1,67)\cdot10^{12}$ (25-45)
GI192M56-2			1,5		$(23,58\text{-}61,90)\cdot10^{-8}$	$(2,96\text{-}7,77)\cdot10^{11}$ (8-21)
GI192M56-3	$7,15_{-0,01}$	$19,5^{+0,2}_{-0,3}$	3,0		$(7,3\text{-}47,16)\cdot10^{-7}$	$(0,93\text{-}5,92)\cdot10^{12}$ (25-160)
GI192M57	$6^{-0,010}_{-0,022}$	7,0±0,15	3,5	3,5	$(37,79\text{-}48,62)\cdot10^{-7}$	$(5,0\text{-}6,11)\cdot10^{12}$ (135-165)
GI192M58			4,0	4,0	$(5,91\text{-}8,83)\cdot10^{-6}$	$(0,74\text{-}1,11)\cdot10^{13}$ (200-300)

The sources meet the requirements of the Standard GOST P 50629-93 ‘Special Form Radioactive Material’.

GOST 25926-90 (ISO 2919-99) classification: C(E) 65546.

Projected service life of the sources – 5 years.