

Sources α & β spread out ESA



TECHNICAL INFORMATION

The radionuclides are deposited on a substrate (anodized surface) made of 0.3 mm thick aluminum, fixed on a 2.6 mm thick stainless steel support that ensures the rigidity of the whole setup.

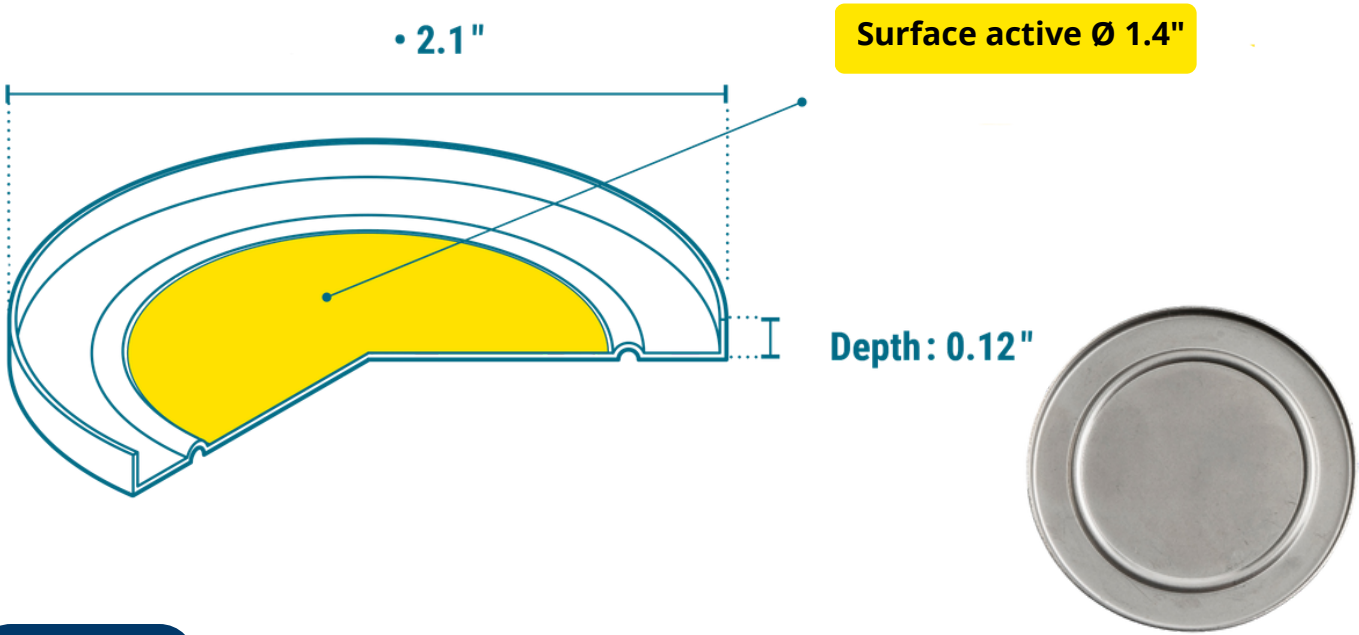
The radiological characteristics of the sources are measured using an absolute 2π sr proportional counter connected to measure the emerging flux.

MANUFACTURING RANGE

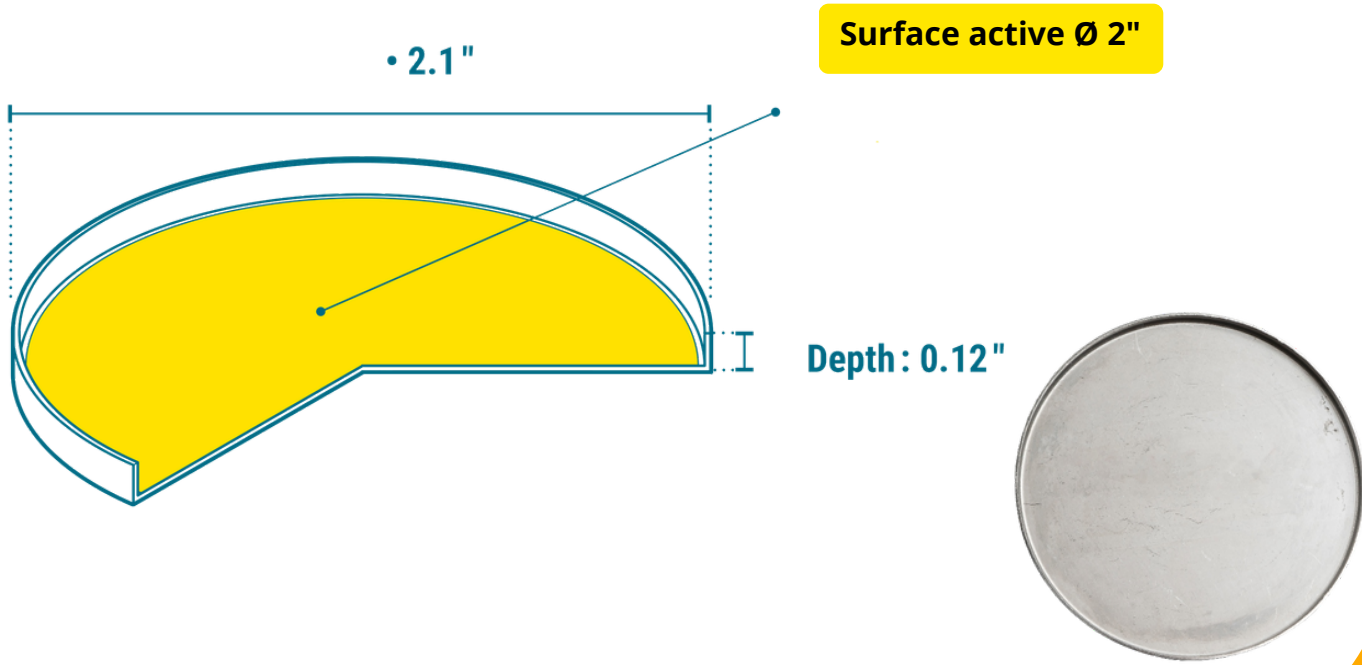
	Catalogue references	On request
Active diameter		
α & β	1.4 in	From 0.6 to 6.3 in
	2 in	
Outer diameter		
α & β	2.1 in	From 0.8 to 6.7 in
Activity		
α	0.01 μ Ci	From 0.003 to 0.05 μ Ci
β	0.11 μ Ci	From 0.014 to 0.22 μ Ci
Radionuclide		
α	238Pu, 239Pu, 241Am	233U, 235U, 238U
β	14C, 60Co, 90Sr, 137Cs, 147Pm	32P, 35S, 45Ca, 63Ni, 89Sr, 99Tc, 129I

STANDARD GEOMETRIES SMALL CUPS

Type I



Type J



RECOMMENDATIONS

It is reminded that the size of a standard source must be suited to the size of the detector to be checked or calibrated: extended sources should not be used to check detectors that are significantly different in size from the standard source.

The LEA provides no guarantee of results for any use other than the recommended one.

Sources α & β étaalées ESA



INFORMATIONS TECHNIQUES

Les radionculéides sont déposés sur un substrat (surface anodisée) en aluminium d'épaisseur 0,3 mm, fixé sur un support en inox d'épaisseur 3 mm assurant la rigidité de l'ensemble.

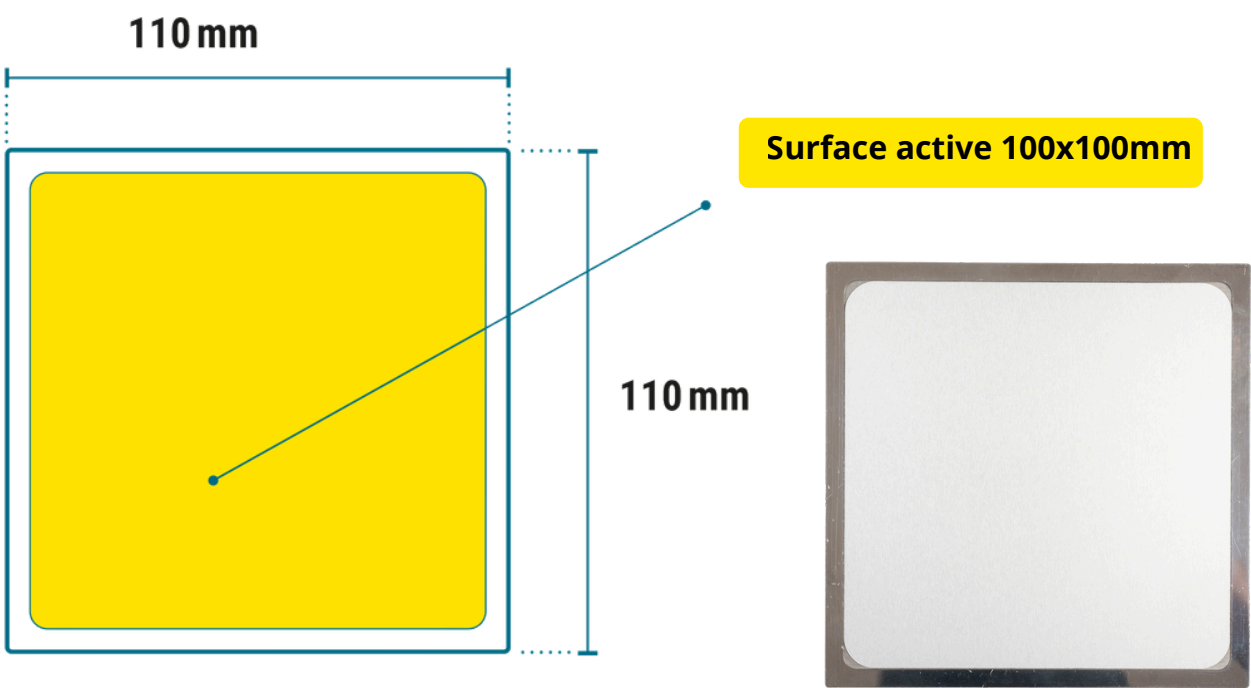
Les caractéristiques radiologiques des sources sont mesurées par l'intermédiaire d'un compteur 2π sr proportionnel absolu raccordé pour la mesure de flux émergent.

GAMME DE FABRICATION

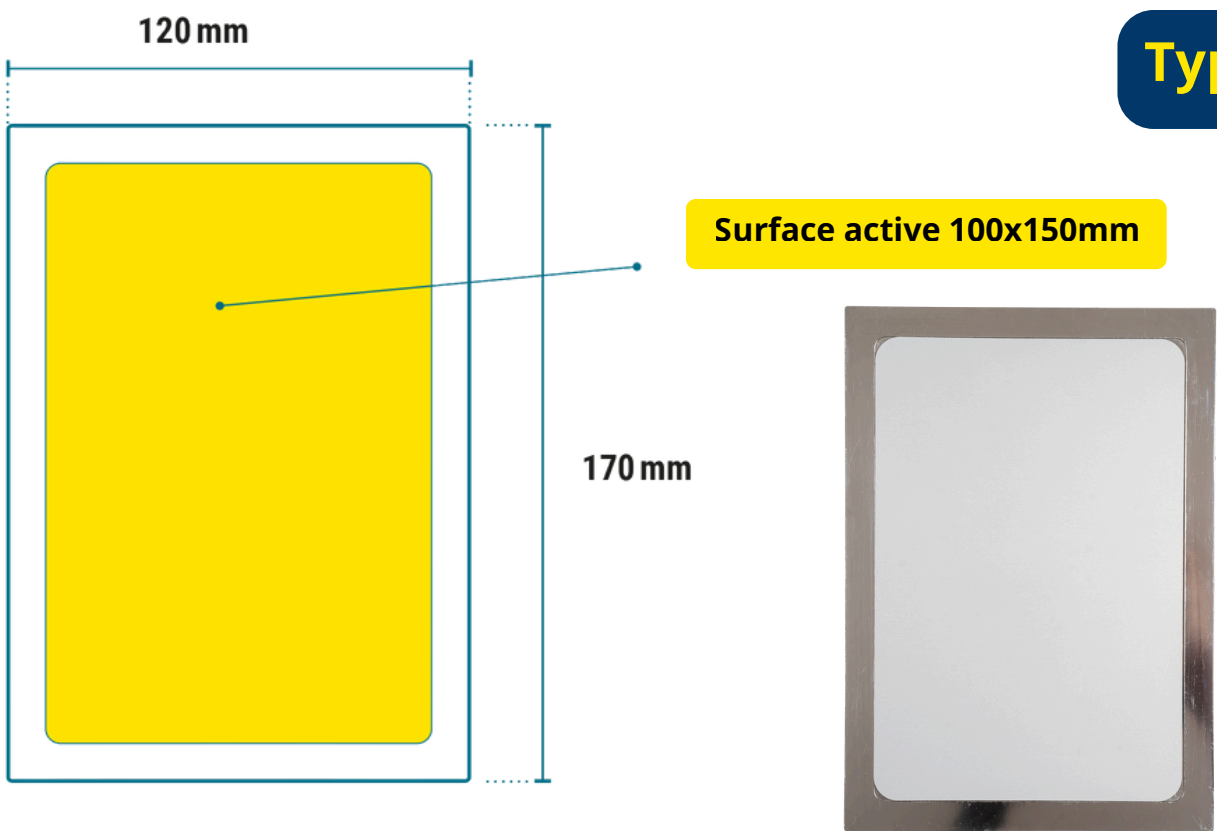
	Références catalogue	Sur demande
Dimensions actives		
α & β	100 x 100 mm	De 20 x 20 mm à 150 x 150 mm
	100 x 150 mm	
Dimensions extérieures		
α & β	110 x 110 mm	De 26 x 26 mm à 170 x 170 mm
	120 x 170 mm	
Activité		
α	400 Bq	De 100 à 2 000 Bq
β	4 000 Bq	De 500 à 8 000 Bq
Radionucléide		
α	238Pu, 239Pu, 241Am	233U, 235U, 238U
β	14C, 60Co, 90Sr, 137Cs, 147Pm	32P, 35S, 45Ca, 63Ni, 89Sr, 99Tc, 129I

GÉOMÉTRIES STANDARD RECTANGULAIRES & CARRÉES

Type E



Type F



RECOMMANDATIONS

Il est rappelé que la taille d'une source étalon doit être adaptée à la taille du détecteur à contrôler ou calibrer : les sources étaalées ne doivent pas être utilisées pour contrôler des détecteurs de taille significativement différente de celle de la source étalon.
Le LEA n'apporte aucune garantie de résultats pour un autre usage que celui recommandé.

Sources α & β spread out ESA



TECHNICAL INFORMATION

The radionuclides are deposited on a substrate (anodized surface) of aluminum, 0.3 mm thick, mounted on a 3 mm thick stainless steel support that ensures the rigidity of the whole setup.

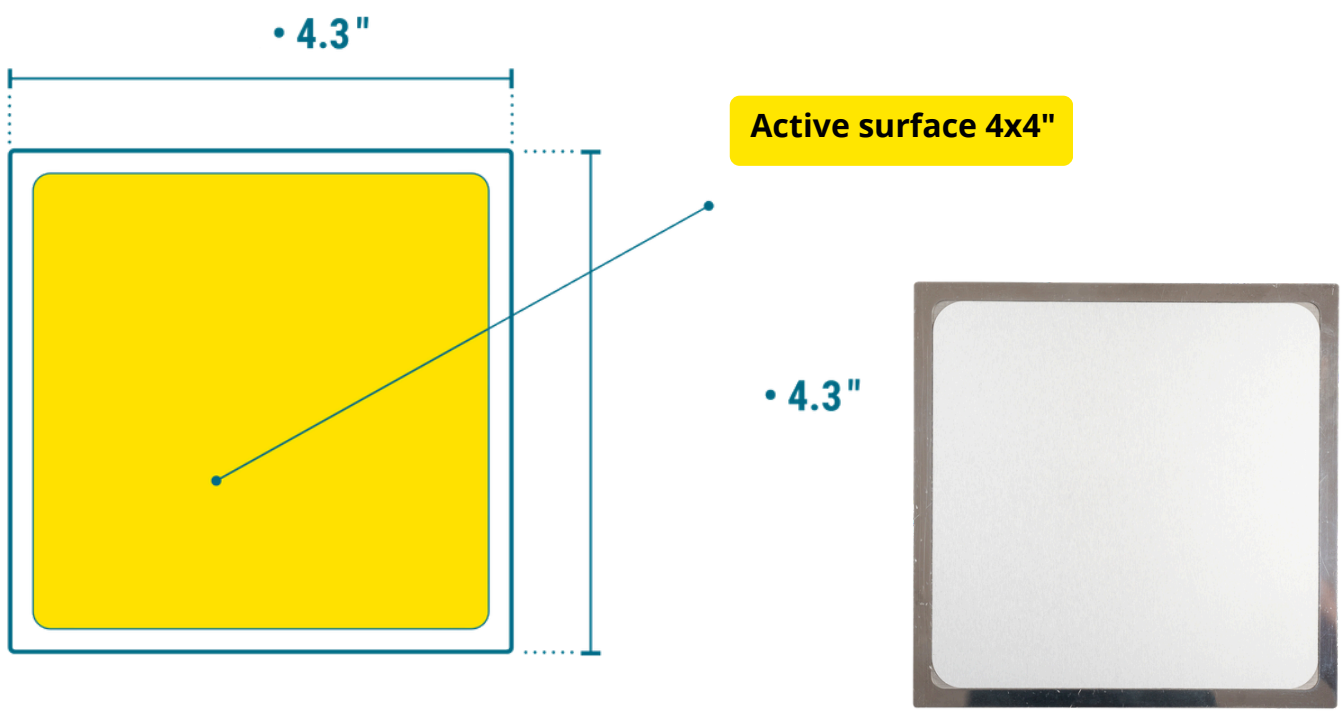
The radiological characteristics of the sources are measured using an absolute 2π sr proportional counter connected to measure the emerging flux.

MANUFACTURING RANGE

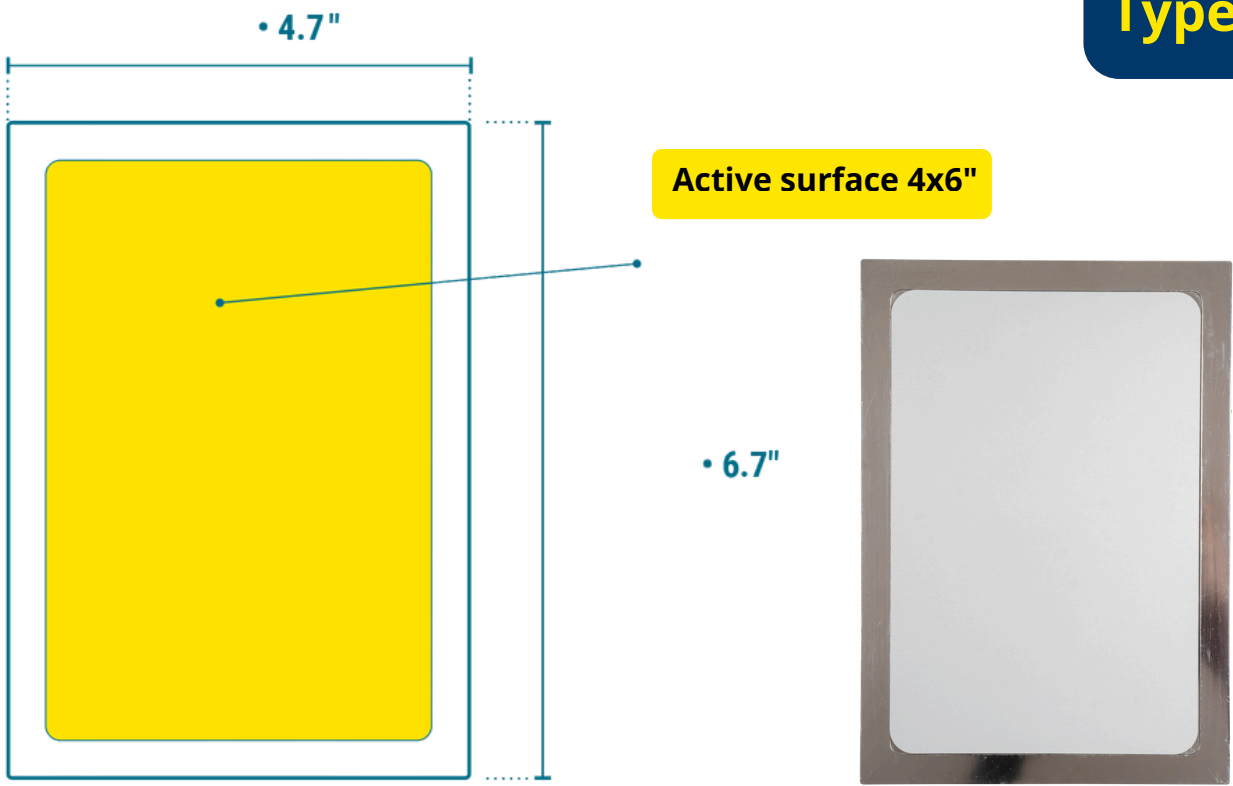
	Catalogue references	On request
Active dimensions		
α & β	4 x 4 in	From 0.8x 0.8 in to 6 x 6 in
	4 x 6 in	
External dimensions		
α & β	4.3 x 4.3 in	From 1 x 1 in to 6.7 x 6.7 in
	4.7 x 6.7 in	
Activity		
α	0.01µCi	From 0.003 to 0.05 µCi
β	0.11µCi	From 0.014 to 0.22 µCi
Radionuclide		
α	²³⁸ Pu, ²³⁹ Pu, ²⁴¹ Am	²³³ U, ²³⁵ U, ²³⁸ U
β	¹⁴ C, ⁶⁰ Co, ⁹⁰ Sr, ¹³⁷ Cs, ¹⁴⁷ Pm	³² P, ³⁵ S, ⁴⁵ Ca, ⁶³ Ni, ⁸⁹ Sr, ⁹⁹ Tc, ¹²⁹ I

STANDARD GEOMETRIES RECTANGULAR & SQUARE

Type E



Type F



RECOMMENDATIONS

It should be noted that the size of a reference source must be matched to the size of the detector being checked or calibrated: extended sources should not be used to check detectors that are significantly different in size from the reference source.

The LEA provides no guarantee of results for any use other than the recommended one.