

Isotope	Medical Diagnostic	Medical Therapy	Research	Nuclear	Industrial	Nuclear Incident	Prominent emission energy (keV)						Geiger probe		NaI scintillator probe			Plastic scintillator probe			
							α	β ⁻ avg	β ⁻ max	β ⁺ avg	β ⁺ max	γ	SS300	SS315	SS404 Al	SS404 Be	SS500	SS440 B	SS600/700 A	SS600/700 B	SS600/700 AB
C-11	X												X				X				
C-14		X	X	X				49	157		386	960	511					X		X	
O-15	X										740	1735	511				X				
F-18	X										249	634	511				X				
Na-22	X										216	546	511/1275				X				
P-32		X	X					700	1700									X		X	
P-33			X					76	249								X		X	X	
S-35		X	X	X				49	167								X		X	X	
Cl-36			X	X				316	709								X		X	X	
Ca-45			X					77	257								X		X	X	
Cr-51	X			X									5/320			X		X			
Mn-54				X				542					834			X		X		X	
Fe-55				X									6								
Co-57	X												120			X		X			
Co-58	X										510	1285	511/810				X				
Fe-59	X		X					150	466				1290					X		X	
Co-60			X	X	X			96	317				1170/1330				X			X	
Ni-63			X	X	X			17	67												
Ga-67	X												185			X		X			
Se-75	X				X								260			X		X			
Kr-85	X				X			250	687							X				X	
Sr-89		X						585	1490								X			X	
Sr-90/Yr-90		X	X	X	X	X		200/927	560/2270								X			X	
Tc(m)-99	X			X									140			X		X			
Cd-109			X										88			X		X			
In-111	X												245			X		X			
In-113m	X												392			X		X			
Te-123m			X										159			X		X			
I-123	X												160			X		X			
I-125	X		X										30			X					
I-131		X		X		X		192	606				360			X		X		X	
I-133					X			440	1230								X		X	X	
Ba-133	X				X								356				X				
Xe-133	X							100	346				81			X		X		X	
Cs-134					X	X		210	660				604			X		X		X	
Cs-137	X	X	X	X	X	X		175	514				661			X		X		X	
Pm-147			X	X	X			62	225							X		X		X	
Sm-151			X					77									X		X	X	
Eu-152			X					220	690				120/345/780			X		X		X	
Tm-170		X			X			323	968								X		X	X	
Ir-192		X						210	675				316				X			X	
Au-195	X												66/99			X		X		X	
Tl-201	X												168			X		X			
Tl-204			X		X			244	760									X		X	
Pb-210					X			4/16	17/64				45			X					
Bi-210					X			390	1160												
Po-210					X		5300										X			X	
Ra-226			X		X		4770						188					X		X	
Th-232				X			4000												X	X	
U-235				X			4400						185			X		X		X	
U-238				X	X		4200												X	X	
Pu-238				X			5500						15			X			X	X	
Pu-239				X		X	5160						51			X		X		X	
Am-241			X	X	X	X	5480						60			X		X		X	

Emission energies taken from www.nucleide.org, which provides published sources for isotope specific data. Please note: this is intended to be a quick look-up table and not an accurate reference.



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

Keison Products,

P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.

Tel: +44 (0)330 088 0560

Fax: +44 (0)1245 808399

Email: sales@keison.co.uk

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.