

SWX-1550 SERIES

Combination Foils Kits

NEUTRON ACTIVATION FOILS AND WIRES

Shieldwerx offers a wide variety of high purity foils and combination kits used for passive measurements of neutron flux levels. These combination kits are useful for making neutron flux determinations at specific energy levels.

Foils are 0.5 inch (12.7mm) diameter and are weighed to +/-0.0001g. A typical spectrographic analysis of each material is included with each kit.

Each kit is specifically designed to cover one of three energy ranges. The Fast Neutron Foils kit, SWX-1551, covers 0.6MeV to 13.5 MeV. The SWX-1552 kit for Thermal / Resonance measurement is designed for the 0.025 eV to 5000 eV range. And to measure the entire range from 0.025 eV to 13.5 MeV, we offer the Broad Spectrum Foils kit, SWX-1553.



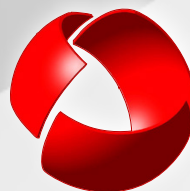
Several foils covering the specified neutron energy range



0.5 inch (12.7mm) diameter high purity foils of various thicknesses



10 Cadmium covers provided with each kit for measuring epithermal neutrons



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Specifications

SWX-1551			SWX-1552			SWX-1553		
Fast Neutron Foils Kit			Thermal Neutron Foils Kit			Broad Spectrum Foils Kit		
Range: 0.6 MeV - 13.5 MeV 10 Cd cover sets + 2 each of:			Range: 0.025 eV - 5000 eV 10 Cd cover sets + 2 each of:			Range: 0.025 eV - 13.5 MeV 10 Cd cover sets + 4 each of:		
Al	Aluminum	0.005"	Au	Gold	0.002"	Al	Aluminum	0.005"
Cu	Copper	0.005"	Co	Cobalt	0.002"	Au	Gold	0.002"
Fe	Iron	0.005"	Cu	Copper	0.005"	Cu	Copper	0.005"
In	Indium	0.005"	Fe	Iron	0.005"	Fe	Iron	0.005"
Mg	Magnesium	0.005"	In	Indium	0.005"	In	Indium	0.005"
Ni	Nickel	0.010"	Lu-Al	5.2% Lu-Al	0.004"	Mg	Magnesium	0.005"
NaCl	Sodium Chloride	0.075"	Mn-Cu	87% Mn-Cu	0.002"	Ni	Nickel	0.010"
S	Sulfur	0.075"	Mo	Molybdenum	0.003"	Sc	Scandium	0.005"
Ti	Titanium	0.010"	NaCl	Sodium Chloride	0.075"	Ti	Titanium	0.010"
V	Vanadium	0.002"	Sc	Scandium	0.005"	V	Vanadium	0.002"
Zn	Zinc	0.010"	W	Tungsten	0.005"	Zr	Zirconium	0.005"
Zr	Zirconium	0.005"						



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