




# Neutron Detectors

All our instruments and detectors come standard with series „C“ connectors. However, other connectors are available if specifically requested when ordering your instrument.

product	detector type	sensitivity (241Am/Be)	detection range
Model 42-49 Series 	$^3\text{He}$ Tube	42-49: 10 cpm per $\mu\text{Sv/h}$ (100 cpm per mrem/hr)	Thermal to 12 MeV
	Moderator: 19.5 cm (7.7 in.) dia.	42-49B: 4.5 cpm $\mu\text{Sv/h}$ (45 cpm per mrem/hr)	
		42-49B-1: 7.6 cpm per $\mu\text{Sv/h}$ (76 cpm per mrem/hr)	

product	detector type	sensitivity (241Am/Be)	detection range
Model 42-30H 	$^3\text{He}$ Tube	20,000 cpm per mSv/h (200 cpm per mrem/hr)	Thermal to 12 MeV
	Moderator: 25.4 cm (10 in.) dia..		

product	detector type	sensitivity (241Am/Be)	detection range
Model 42-31H 	$^3\text{He}$ Tube	10,000 cpm per mSv/h (100 cpm per mrem/hr)	Thermal to 12 MeV
	Moderator: 22.9 cm (9 in.) dia		

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product	detector type	sensitivity (241Am/Be)	detection range
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Model 42-5	$^6\text{LiI}$ Scintillator	45 cpm per mrem/hr	Thermal to 12 MeV
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product	detector type	sensitivity (241Am/Be)	detection range
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Model 42-41L	PRESCILA Proton Recoil Scintillator.	350 cpm per mrem/hr	Thermal to 100 MeV
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product	detector type	sensitivity (241Am/Be)	detection range
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Model 42-38 WENDI-2	$^3\text{He}$ Tube	450 cpm per mrem/hr	Thermal to 5 GeV
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Moderator: 22.9 cm (9 in.) dia.

