



Precision Ionization Chamber for Scatter Measurements 30-336FW



Chamber with built-up cap

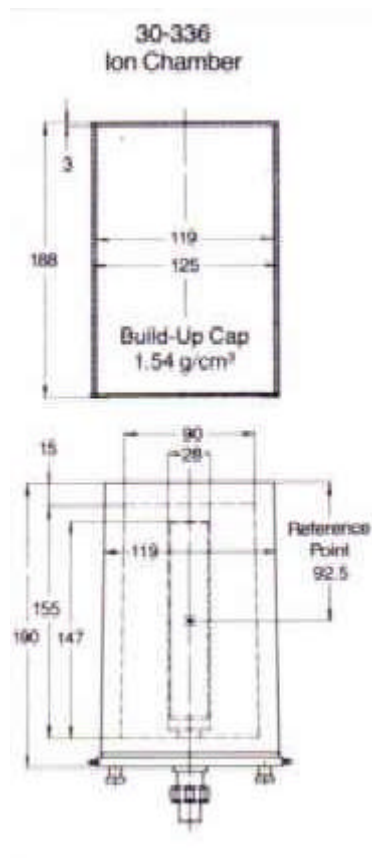
Application: Scatter Measurements

Specifications

Energy Response	32 keV thru ⁶⁰ Co
Volume	1000cm ³
Sensitivity	3x10 ⁻⁷ A/R/sec
Leakage Current	1x10 ⁻¹⁴
Steam Effect	1%
Weight per Area	40mg/cm ²
Max. Dose at 99%	+300 V 30 mR/sec +500 V 80m R/sec
Max. Dose	+300 V 0.4 mR
Pulsed at 99%	+500 V 0.8 mR
Vented	yes
Cable Lengs	60 cm
Connectors	Triax BNC
Build Up Cap	includet

Energy Response Data
Calibration Points

KV	Added Filter mm Al	Added Filter mm Cu	HVL Mm Cu	KeV	Typical Correction Factor
70	4		0.1	35.2	1.01
100	4.5		0.17	42	0.99
140	9		0.49	62	0.98
200		1.6	1.6	98	1.0
280		3.0	3.4	148	1.02
137Cs					1.09
60Co					1.15



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