



Orthovoltage

Therapy

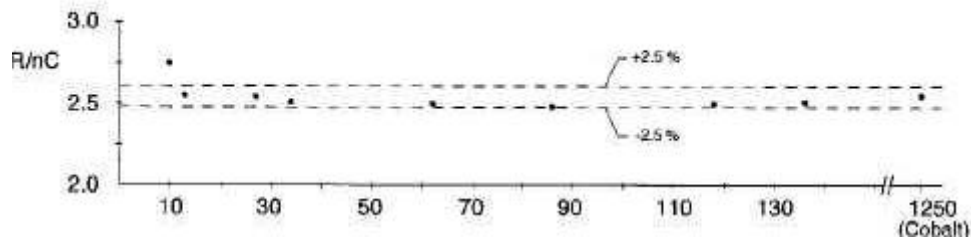
Diagnostic

Mammography

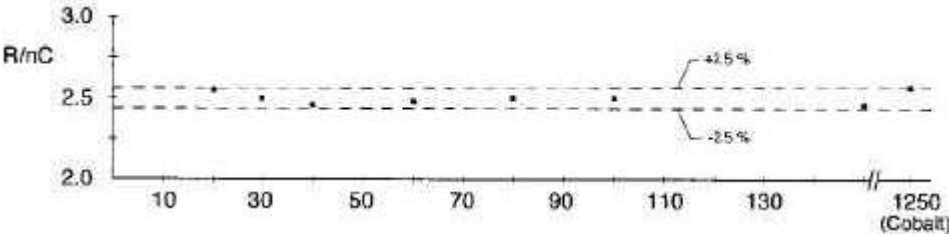


MAGNA 1cc Parallel Plate Ion Chamber

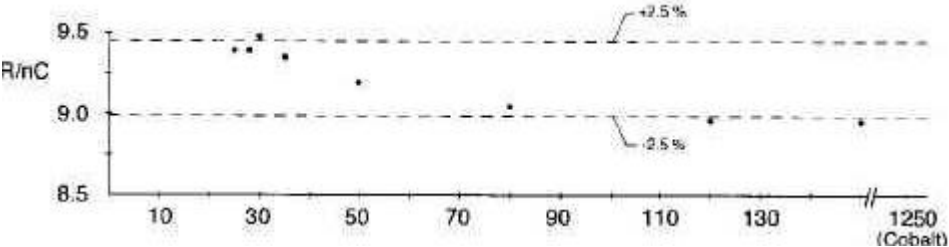
MAGNA chambers are constructed of **Air Equivalent** Shonka conductive plastic. This makes MAGNA chambers ideally suited for all air kerma, absorbed dose, and exposure measurements. The window is constructed of 0.025mm thick Kapton impregnated with graphite. Cable connectors are standard, triaxial BNC or TNC connectors making the MAGNA chambers easy to connect to most electrometers. Other cable connectors and adapters are available.



MAGNA 1cc Parallel Plate Ion Chamber, 92600. ADCL Calibration Points for mammographic and diagnostic x-ray energies, and for cobalt. These calibrations were performed at the following ADCL calibration points: 20M, 30M, 40M, 60M, 80M, 100M, 150M, and cobalt.



MAGNA 1cc Parallel Plate Ion Chamber, 92600. Measurements done with orthovoltage and superficial x-ray treatment systems. These measurements were done at the following energy levels: 10, 13, 27, 34, 62, 86, 118, and 135 keV, and also on cobalt.



MAGNA 3cc Parallel Plate Ion Chamber, 92650. ADCL Calibration Points for mammographic and diagnostic x-ray energies. These calibrations were performed at the following ADCL calibration points: 25MO, 28MO, 35MO, 30M, 50M, 80M, 120M, and 150M. MO points = +, M points = -

SPECIFICATIONS

	1cc	3cc
Energy Dependence	Within +/- 1% for HVL of 0.15mm to 0.73 Al, Within +/- 2% for 20 to 150 kVp	Within +/- 2.5% for 30 to 150 kVp
Construction	Air Equivalent conductive plastic	Air Equivalent conductive plastic
Sensitivity	2×10^9 R/C	9.75×10^8 R/C
Collecting Volume	1cc	3cc
Vented	Yes	Yes
Leakage	$< 10^{-14}$ A	$< 10^{-14}$ A
Typical Bias	50 to 300 VDC	50 to 300 VDC
Window	0.025mm thick Kapton impregnated with graphite	0.025mm thick Kapton impregnated with graphite
Cable Length	3 meter with tri-axial BNC or TNC connector standard	3 meter with tri-axial BNC or TNC connector standard

Specifications subject to change without notice.

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