INDEPENDENT X-RAY
QUALITY ASSURANCE

Use with

☑ Piranha ☑ Cobia

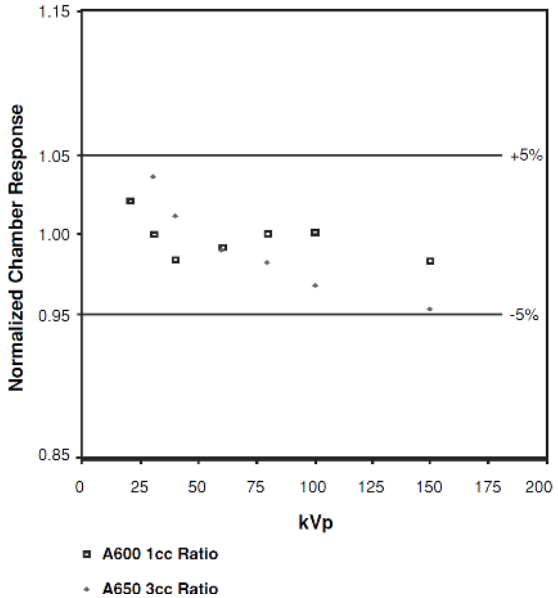
Magna 1cc A600 Ion Chamber General Specifications

1 cc Ionization Chamber for Reference Dosmetry in X-ray

The Magna 1cc A600 CT Ion Chamber is designed for reference dosimetry in mammography applications. The excellent energy response makes it suitalbe also in the radiographich energy range up to 150 kV.
The Magna 1cc A600 ion chamber can be connected via RTI Chamber Adapter to the Piranha or to the Cobia.
The chamber is designed to meet the requirements of IEC60601–1, and IEC 61674.

Reliable Dosimetry

The Magna 1cc A600 Ion chamber has an energy linearity, within 2% in the range 20 - 150 kV.



General Specifications

Art No	9706100-00
Connector type	LEMO triaxial
Cable	2 m, low noise triaxial
Active volume	1 cm³
Materials	Air equivalent plastic, acrylic
Entrance window	Kapton conductive film
Reference point	Scribed line around circumference of the outer ring is half way between the collector and the entry window.
Typical leakage	±5 fA
Radiation quality	20 - 150 kV
Energy dependence	±2 %
Typical sensitivity	20 mGy/nC
Chamber dimensions	
Height	25.4 mm
Diameter	41.3 mm
Inner plate separation	8 mm
Weight	200 g

with RTI Chamber Adapter

Air kerma rate	0.25 mGy/s to 2.5 Gy/s
Expanded uncertainty	±5 % or ±0.025 mGy/s exp time > 10 ms

Specifications in this document may be changed without notice

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