



INDEPENDENT X-RAY  
QUALITY ASSURANCE

Use with

Mako  Piranha  Cobia



Two parts



Three parts

CTDI Phantom sets | Specifications

## The CT dosimetry phantom

The CTDI Phantom sets are designed to facilitate quality assurance testing of computed tomography (CT) systems. The sets are constructed from two or three nested PMMA cylinders, as the 2-part set simulates adult head and body, where the 3-part set has an additional nested part to simulate pediatric patient. The phantom cylinders are intended for measurements of the CT dose index (CTDI) and the dose profile of the CT system.

Included in each set are PMMA pegs. The sets come with a hard case that features a built-in trolley for convenient storage and transportation. Overall, the CTDI Phantom sets offer a reliable and effective solution for evaluating the performance of CT systems.

**Two parts kit:** 16 and 32 cm diameter.

**Three parts kit:** 10, 16 and 32 cm diameter.



Both the RTI CT Ion Chamber, Art. No: 9730025-00 and RTI CT Dose Profiler, Art. No: 9730013-00 fit in the phantom.



RTI CT Ion Chamber



RTI CT Dose Profiler

### Reliable dosimetry

RTI CTDI Phantoms enable the following tests to be made:

- $CTDI_{100}$  (centre)
- $CTDI_{100}$  (peripheral)
- $CTDI_w$  (weighted  $CTDI_{100}$ )
- $CTDI_{vol}$  (weighted  $CTDI_w$ )

### Specifications

Art. No	9705125-00 (Two parts) 9705130-00 (Three parts)
Pediatric head diameter*	10 cm
Adult head diameter	16 cm
Body diameter	32 cm
Cylinder length	15 cm
Hole diameter body phantom	320 mm
Hole diameter, plugs	12,6 mm
Material	PMMA
Density	1.19 g/cm <sup>3</sup>
Designed in accordance with standards EC 60601-2-44, IEC 61223-3-5, IEC 61223-2-6	

\*Not included in the 2 parts kit.

Specifications in this document may be changed without notice.