

Model STP-145M Stereotactic and Intraoperative Calibration Phantom

The CNMC Model STP-145M combines the STP-145M phantom assembly with a crank-operated, linear-drive mechanism, allowing precision off-axis positioning of the detector.

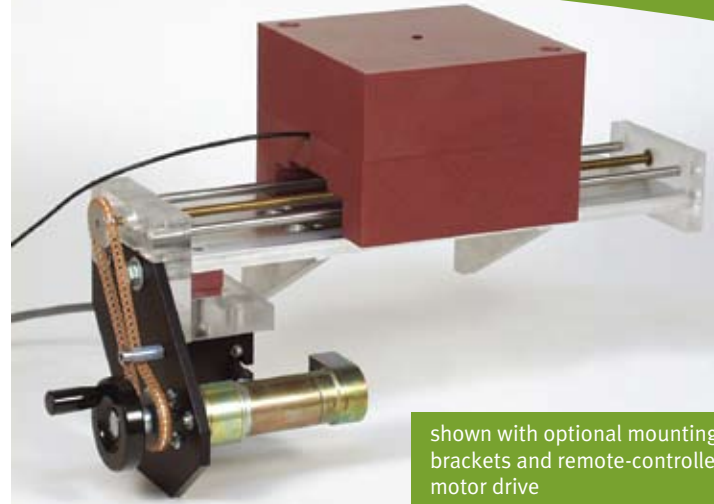
The phantom assembly slides smoothly on a Teflon® platform, driven by a stainless steel lead screw and stabilized by two stainless steel rods. Each full turn of the hand crank quickly and accurately moves the phantom assembly 1 mm. A 5-digit mechanical counter with pushbutton reset capability indicates position to the nearest 0.1 mm. Total detector travel is ≥16 cm.

The STP-145M has adjustable feet for leveling the unit. Optional brackets to mount the assembly to a Zemed Danek Linac Scalpel stereotactic radiosurgery system are available.

The STP-145M may be conveniently retrofitted with the optional Model RMD-100-5 and RMD-200-5 remote motor drives that allow detector positioning from a remote location. The detector position is indicated by a 5-digit LCD display with pushbutton zeroing. The convenience of the Model RMD-100-5 and RMD-200-5 provide significant savings to your data acquisition time. abdominal, pelvic or head and neck applications.

Features:

- ▶ Phantom constructed of water-equivalent plastic
- ▶ Cavity accommodates small field solid state detectors or microchambers
- ▶ 0.1 mm detector positioning precision with resettable digital readout
- ▶ Designed for standalone measurements or mounting directly to the user's system with custom brackets
- ▶ May be controlled remotely with optional RMD-100-5 or RMD-200-5 motor drive attachment



shown with optional mounting brackets and remote-controlled motor drive

Specifications

PHANTOM ASSEMBLY:

Material: Virtual Water™ water-equivalent plastic
 Dimensions: Phantom: 14 x 14 x 5 cm
 Support block: 14 x 14 x 5 cm
 Weight: 1.8 kg (4 lbs)

POSITIONING ASSEMBLY:

Travel: ≥16 cm
 Counter: mechanical, 5-digit, 0.1 mm precision
 Materials: clear acrylic, stainless steel, Teflon®
 Weight: 1.8 kg (4 lbs)

Accessories

RMD-100-5 Remote motor drive attachment, includes remote control/readout module and 15 m cable
 RMD-200-5-PC PC controlled remote motor drive bolts directly to positioning assembly includes controller module, associated cables and operating software
 VW-14SET Buildup plate set, water equivalent, includes 1 x 1 cm, 1 x 0.5 cm, 3 x 0.2 cm
 VW-1402 Buildup plate, water equivalent, 14 x 14 x 0.2 cm
 VW-1405 Buildup plate, water equivalent, 14 x 14 x 0.5 cm
 VW-1410 Buildup plate, water equivalent, 14 x 14 x 1 cm

Ordering Information

STP-145M-5 Mechanized 14 x 14 x 10 cm water-equivalent phantom with cavity for Scanditronix 999-750 small field diode detector, with mounting brackets
 STP-145M-7 Mechanized 14 x 14 x 10 cm water-equivalent phantom with cavity for PTW N60008 small field diode detector, with mounting brackets

CNMC can provide custom-drilled cavities to accept other diode detectors or ion chambers.

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