

Model RMD-200-5-PC Programmable Remote Motor Drive

With the Model RMD-200-5-PC, it is possible to convert the manual, crank-operated depth-positioning mechanism of the CNMC WP-3040 and WP-3840 water phantoms and STP-145M stereotactic phantom to allow ion chamber positioning from outside of the treatment room, using a PC (Personal Computer) as the control panel, thus adding convenience and significant time savings to your monthly routine.

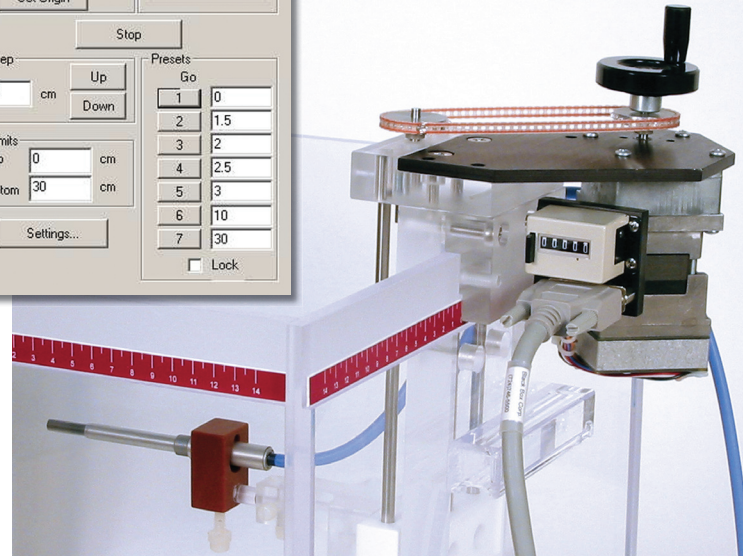
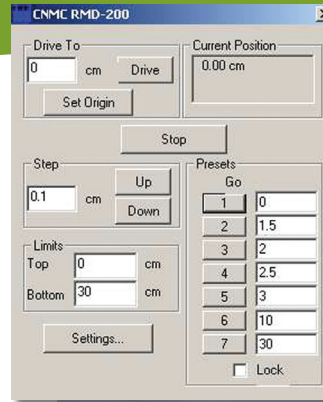
Installation of the motor drive assembly to the depth positioning mechanism is easy, since it makes use of existing threaded holes. Although the installation includes adding two drive sprockets, the hand crank is reinstalled on the motor shaft, retaining the original manual reference point positioning and mechanical counter readout functions.

The PC software serves as the control/display unit. It is connected to the drive motor by a 15 meter cable via an interface unit for complete control of chamber depth from the accelerator console. The programmability of the PC allows the user to preset the depth increments or the entire measurement routine. The display indicates the depth position, with 0.01 cm accuracy assured by optical encoder feedback.

The PC Drive can be supplied with motor mounting hardware for adaptation to water phantoms of older design. All features and technical specifications remain the same.

Options

- RMD-200-1-PC** Programmable Remote Motor Drive for existing MEDTEC MT-100 and MT-150 water phantoms
- RMD-200-3-PC** Programmable Remote Motor Drive for existing CNMC WP-300 and WP-380 water phantoms
- RMD-200-PC** Windows compatible software only for upgrading existing Palm-Drive units
- RMD-200-MAC** MAC compatible software only for upgrading existing Palm-Drive units



Top Left: Software screen display.
Right: Motor drive assembled to the depth drive.

Features

- ▶ Uses a PC to control the detector depth of the WP-3040 and WP-3840 water phantoms from the accelerator console
- ▶ Easy bolt-on installation
- ▶ Positioning accuracy: 0.1 mm (± 0.05 mm)
- ▶ Retains the original manual positioning function
- ▶ Also fits MEDTEC MT-100/150 and CNMC WP-300/380 water phantoms
- ▶ Windows or MAC compatible software is available to upgrade Palm-Drive units

Specifications

- Computer Type PC or MAC
- Operating system PC Windows 2000 or XP
- MAC OS vers. 8.1 or later
- Port Serial (DB-9 Male) or USB to serial adapter (must be purchased separately)

SYSTEM

- Interface Custom microprocessor-based motion control
- Accuracy 0.01 cm, depth displayed to 0.01 cm
- Cables PC to interface: 15 m (50 ft)
Interface to motor: 1.5 m (5 ft)
- Power 120/240 VAC, 50/60 Hz, switchable
- Weight 3 kg (6.6 lbs) including controller, motor assembly and cables

