



TEAMBEST GLOBAL



MOSFET Dosimetry Systems, RT Area Monitors, Electrometers, QA Instruments...and much more!

All CNMC manufactured products now come with a full 2-year limited warranty!

www.teambest.com



USA orders: CNMC Company tel: 615 391 3076 800 635 2662 sales@cnmcco.com  
CAN orders: Best Medical Canada tel: 613 591 2100 877 668 6636 bmcinfo@teambest.com  
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# Dose Monitors — MOSFET Patient Dose Verification Systems

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## mobileMOSFET Wireless

- Dose obtained in real-time
- Simplifies dosimetry & minimizes QA time
- Wireless with Bluetooth® technology
- Export dosimetry data to R&V system



## Portable Dosimeter

- Stand-alone dosimetry system
- Portable & compact with LCD display
- Optional data export via USB
- No software or computer necessary

## MOSFET Dosimeter Features

- Isotropic ( $\pm 2\%$  for  $360^\circ$ )
- Active area of  $0.2 \times 0.2$  mm
- Pinpoint measurement for high gradient fields
- Same calibration factor for photons & electrons at MeV energies



# Physics Accessories — Triaxial / Coaxial Extension Cables & Reels

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## Extension Cables

CNMC supplies triaxial and coaxial extension cable assemblies in standard 10-meter or custom lengths, terminated with connectors to fit almost any commercially available electrometer/dosimeter and ion chamber.



## Robust Triaxial Ion Chamber Extension Cable

- Ideal for rigorous daily use
- Thicker insulation — reduces internal signal loss & effects of extraneous environmental signals
- Very low noise
- Custom lengths
- Choice of connectors

## Cable Reels

CNMC cable reel assemblies offer a great convenience in winding and storage of extension cables. A cable reel will extend the life of a cable significantly by eliminating kinks and providing protection during storage. Only as much cable as needed can be reeled out at any time.



# Physics Accessories — Barometers & Thermometers

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## Precision Digital Barometer/Thermometer Models DBT-100 and DBT-100T

The Model DBT-100 is a portable digital barometer and thermometer combination the size of a handheld calculator. Featuring a digital display and high measurement accuracy, the DBT-100 is an ideal portable barometer and thermometer combination. Atmospheric pressure can be displayed in mmHg or mbar and ambient temperature in °C with 0.1 degree resolution. The DBT-100 operates on two 9-Volt alkaline batteries for 100 hours and has a waterproof temperature probe 2 meters in length.

A Model DBT-100T, a DBT-100 enclosed in a sturdy metal enclosure for bench-top use, is also available.



## DT-6410 Platinum High Accuracy Thermometer

The DT-6410 Thermometer displays °F/°C minimum/maximum temperatures for previous 24 hours (for each hour) and previous 7 days (for each day); or previous 30 days (for each day). Time/date key shows the exact time and date for all minimum and maximum readings. Alarm is settable in 0.1° increments and signals when temperature rises above/falls below set points. Visual LEDs and audible alarm signal continuously even if temperature returns to non-alarm range. A 4-wire platinum sensor insures linear response and high accuracy across the entire range. The DT-6410 permits easy one-key calibration by user.

- Range of -100° to 199.99° C (-148° to 199.99° F)\*
- Accuracy within ±0.1° C
- 1 second display update
- 3 meter cable length on probe
- Battery life of >1000 hrs. continuous operation with two AAA batteries
- Weighs 142 g (5 oz.)

\* Fahrenheit measurement limited by display

## Radiation Physics — Electrometers

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### Model 206 Dosimetry Electrometer

The CNMC Model 206 Electrometer maintains the simplicity and ease of use of classic electrometers. Designed using state-of-the-art electronics, the Model 206 easily performs a wide variety of measurements with an accuracy and precision that equals or exceeds that of many higher priced dosimetry electrometers.

- External feedback module
- 1,000-hour operation on “D” cell batteries
- Bias select switch  $\pm 300$  V,  $\pm 150$  V, external, off
- Less than 5 fA leakage current
- 4-1/2 digit custom LCD
- Instant on – no stabilization period

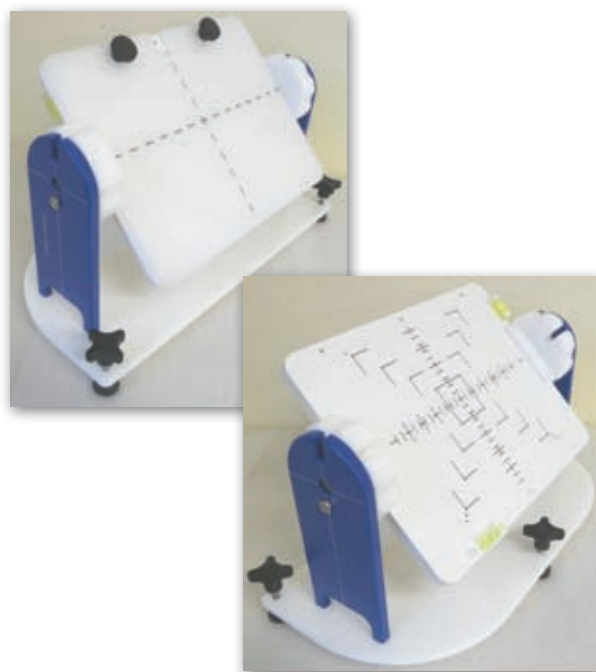


## Accelerator QA — Beam Alignment Checkers

### Model AR-QC 002 Isocentric Beam Checker

The Isocentric Beam Checker is a quality assurance tool for assessing in a precise and quick way all the mechanical and geometrical parameters of linear accelerators or Telecobalt units.

- Adequation of radiation field/light field
- Collimator radiation field-size accuracy
- Treatment machine collimator isocentricity
- Treatment table isocentricity
- Gantry isocentricity
- Laser alignments
- Optical Distance Indicators (ODI) accuracy



# Radiation Protection — Area Monitors, Personal Dosimeters & Dosimetry Services

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## Model 7008 RT Radiation Therapy Area Monitor

The Model 7008 RT is a wall-mounted radiation monitor designed to meet the specific needs of radiation therapy. The monitor features a digital display of radiation rate, audible and visual alarms, alarm indicator, alarm setpoint adjustability over the entire range, and self-diagnostic functions.

- Built-in rechargeable back-up battery
- Radiation rate indicated on an 8-digit LCD display
- Alarm level may be preset in 0.1 mR/h increments
- Visual and audible alarm indication



## BDS 8840 Whole Body Dosimeter

- A whole body dosimeter for occupationally exposed radiation workers based on well-established TLD technology
- Accurately determines deep, shallow and lens of the eye radiation dose over a broad range of photon energies

CNMC is the home of Best Dosimetry Services — personal dosimetry monitoring for all radiation environments:

- Hospitals/Clinics
- Dental/Chiropractic/Veterinary Offices
- Medical Manufacturing/Industrial/Government/Reactor Facilities

## BDS Extremity Ring Dosimeter

- An extremity ring dosimeter for occupationally exposed radiation workers based on well-established TLD technology
- Accurately determines shallow radiation dose over a broad range of photon and beta energies

