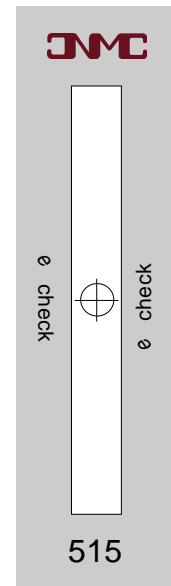


e Check

Energy Check Ion Chamber

**NEW
FROM
CNMC**

- **For Quick, Accurate Energy Check of Electrons from Linear Accelerators**
- **Easy to use for daily or weekly checks**
- **Results are easily calculated**
- **Provides precise verification of electron energy and constancy**
- **Only two measurement configurations needed**
- **Meets requirement for TG40 Protocol**



Radiation Therapy Departments will find the Model 515 Energy Check Chamber an ideal instrument to use in performing regular checks on electron energies generated by their linear accelerators. It is simple to use, yet provides fast, accurate, and precise verification of electron energy and constancy.

The Model 515 eCheck assembly consists of a linear parallel plate ion chamber with integral wedge shaped absorber over the sensitive area.

The Model 515 may be used with any radiation therapy electrometer and requires only two measurement configurations (face up and face down) to check all energies. The results are a simple ratio that can be directly interpreted in terms of the constancy of \bar{E}_0^* . Daily or weekly checks of electron energy can be quickly made.

Specifications

Chamber type: parallel plate
Chamber volume: 3cc (nominal)
Sensitivity: 1nC/R (nominal)
Weight: 1kg (2.2 lbs)

Cable: integral 2.3m
Connector: triaxial BNC
Dimension: 4x15x5cm

*Reference: R. Paul King and R. Scott Aderson, "A simple method for electron energy constancy" Journal of applied clinical medical physics, Volume 2, Number 1, Winter 2001