

# TANDEM Dual Channel Electrometer



*Dual channel electrometer for absolute dosimetry with TanSoft software and for relative dosimetry with TBA systems*

## Features

- ▶ Dual channel therapy dosimeter in accordance with IEC 60731 (field class), resolution 10 fA
- ▶ Absolute dose measurement with TanSoft software
- ▶ Fast scanning measurements in motorized water phantoms (time constant 10 ms)
- ▶ Variable voltage supply
- ▶ Accepts ion chambers and solid state detectors to be connected
- ▶ High resolution for small size ion chambers

The TANDEM electrometer is calibrated in electrical current (A). It can be operated by a PC as an absolute therapy dosimeter. The TanSoft software provides calibration and correction factors for various detectors and displays the measurement results. The chamber voltage for both channels is individually programmable in 50 V increments up to 400 V with reversible polarity. The TANDEM is very fast and makes it possible to set minimum measuring intervals of 10 ms. It features auto-range and offset compensation. TANDEM is also designed to perform radiation field measurements referenced to an ionization chamber. In conjunction with a TBA therapy beam analyzer, MEPHYSTO software controls TANDEM for fast and accurate beam data acquisition. A trigger input synchronizes measurements with external signals.

## Ordering Information

T10015 TANDEM Electrometer, connecting system BNT  
T10016 TANDEM Electrometer, connecting system TNC  
T10011 TANDEM Electrometer, connecting system M  
T99030 Power supply 110 V ... 240 V

## Option

S080028 TanSoft software

- ▶ UNITEST Electric Test Device *page 23*
- ▶ Radiation Detectors *page 16ff.*
- ▶ TBA Therapy Beam Analyzers *page 41ff.*