

kV Meter 245

Accuracy and convenience in one small package.

The very compact 245 simplifies the determination of actual kV for radiographic, fluoroscopic, and mammographic x-ray systems. This highly accurate meter can be used for a wide range of energies and will store up to ten readings. A remote LCD display makes fluoroscopic readings easy to obtain. With an optional BNC connector the meter can also be connected to an oscilloscope to monitor waveforms.



Developed in conjunction with Frank Ranallo, PhD, University of Wisconsin, Madison, WI.

FEATURES

- Radiographic, Fluoroscopic, and Mammographic non-invasive measurement modes
- Dual methods of kVp measurements available in a single radiographic or mammographic exposure: (1) the average of kVpeaks, (2) effective kVp
- Use of patented Quadcell detector and autogain circuitry for unparalleled accuracy in kVp measurements over a wide range of measurement conditions: orientation, positioning, angulation, and x-ray intensity have little effect on measurement results
- Measurements of kVp and time can be accurately performed over an x-ray intensity dynamic range of 5000:1 at any specific kV
- Internal correction factors for mammographic target/filter combinations
- Automatic resetting for each exposure
- Large LCD display
- Compact size that fits in your hand

SPECIFICATIONS

- Kilovoltage: Displayed Range: 22kV- 200 kV
- Calibrated Range: Radiographic: 50 – 140 kV; Mammographic: 25 – 35 kV
- Accuracy: Radiographic: +2% or 1 kV; Mammaographic: +(1kV + 2%)
- Reproducibility: Radiographic: + 0.5 kV; Mammographic: + 0.3 kV; Resolution: 0.1 kV
- Minimum Exposure Requirements: Radiographic: 25mA, 60 kVp @ 24 in.; Fluoroscopic: 3 mA, 80 kVp @ 18 in.; Mammographic: 80 mA, 25 kVp @ 25 in.; Required Exposures: One; Display: 3 1/4 digit LCD; Analog Output: Optional BNC connector (Special Order); Power: 9 V alkaline battery (included); Size: 2x 4 x 7.5 in.; Weight: 21 oz.; Target/Filter Combinations: Mo/Mo, Mo/Ro, Mo/Al, Mo/Pd, W/Al, Ro/Ro, Ro/Al

ITEM #	DESCRIPTION
0695-0127	KVP Meter with Remote Display