



WIDE-RANGE, MAMMOGRAPHIC, AND DENTAL DIGITAL KVP METERS

**Automatic display reset.
No remote control cables.
Scope output for waveform analysis.
Compact, lightweight, and battery-operated.**



Proven performance from the leader in noninvasive QC test instruments...

Whether you choose the Wide-Range, Mammographic or the Dental Digital kVp Meter, you will get quick and accurate measurements of your diagnostic x-ray generator tube potential. The instrument needs no connection to the x-ray generator.



These lightweight, rugged units are extremely easy to use: Simply place on the x-ray table, with the detector facing the x-ray source. With the beam's central ray centered on the detector, an exposure is made, and the reading appears immediately on the large, easy-to-read liquid crystal display.

Unique features are provided to ensure maximum efficiency and accuracy. Readings remain on display until the next exposure is made, at which time the reading is automatically updated. Automatic display indicators tell you when adjustment of exposure factors or battery replacement is necessary. Neither remote-control cables nor time-consuming manual re-zeroing are needed. A BNC connector is provided for radiation waveform display on a storage oscilloscope.

SPECIFICATIONS:

Ranges:

Wide-Range: Low: 50-90 kVp, 0.1 kVp resolution

High: 80-150 kVp, 0.1 kVp resolution

Mammographic: 24-40 kVp, 0.1 kVp resolution

Dental: 45-90 kVp, 0.1 kVp resolution

Accuracy:

Wide-Range: $\pm 3\%$ or 3 kVp, whichever is greater

Mammographic: $\pm 3\%$ or 1.5 kVp, whichever is greater

Dental: $\pm 3\%$ or 3 kVp, whichever is greater

MA's Requirements:

Wide-Range: (45.7cm SDD) 18 mAs at 120 kVp; 50 mAs at 60 kVp, single phase. Minimum exposure time 1/20 (0.05) sec

Mammographic: (25 cm SDD) 100 mAs at 24 kVp

Minimum exposure time 1/20 (0.05) sec

Dental: 8.5 mAs at 45 kVp; .026 mAs at 90 kVp

Controls:

Wide-Range: On/off, single/three-phase and range selection switch

Mammographic: On/off and Moly/Tungsten Selector Switches

Dental: On/off and single/three-phase selector switch

Operating Conditions: 50°F to 104°F (10°C to 40°C)

Maximum relative humidity 90%

Power: Single 9V alkaline battery. Life > 150 hrs

Display: 3 1/2" x 1 1/2" LCD. Automatic indication of (a) low battery condition, (b) need to adjust exposure factors

Output Signal: BNC connector for waveform analysis

Dimensions: 8" wide x 6" deep x 2 1/2" high
(20 cm x 15 cm x 6 cm)

Weight: 2 lbs (0.9 kg)

07-494 Wide-Range Digital kVp Meter

07-492 Mammographic Digital kVp Meter

07-479 Dental Digital kVp Meter

89-473 Carrying/Storage Case

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