



Model 815 Digital kVp Meter and Exposure Timer

The Model 815 is a versatile, multipurpose digital kVp meter, optimized for dental x-rays but also usable on conventional and fluoroscopic x-rays. In addition, it measures the time duration of x-ray exposures.

Operation can be learned in minutes: simply place the Model 815 in the beam and make an exposure. The large display is easily readable from outside the x-ray room, and the alphanumeric messages provide easy to understand operational and diagnostic status.

Analog waveform output for an oscilloscope is provided for waveform analysis, half wave, full wave, DC, 3 phase.

Specifications

Display:	0.4 in (10.2 mm) liquid crystal, 8 character alphanumeric
kVp Range:	45 to 125 kV
kVp accuracy:	45 - 125 kV; 2%, ± 1 kV at 25-100 mA 18-42 cm from head with tungsten target, 1.5 mm Al equiv. filtration
Minimum exposure time:	
high speed mode:	100 ms
high resolution mode: ...	200 ms
Exposure time accuracy: ...	2% ± 3 ms, at 100 ms
Minimum current:	7 mA at 50 kV at 10 cm FSD
Controls:	ON-OFF switch, illuminated pushbutton with green power-on indication MODE switch, momentary pushbutton
Output:	analog waveform to oscilloscope, 3.9 mm jack
Power:	4 AA alkaline batteries, accessible from bottom of case
Battery life:	48 hours continuous, typically 9 months of normal use, low battery indicator
Dimensions:	15 x 12 x 5.8 cm (5.9 x 4.7 x 2.3 in)
Weight:	0.7 kg (1.5 lb)

Features:

- ▶ Simultaneously measures kVp and exposure time
- ▶ Suitable for dental and radiographic machines
- ▶ Durable ABS plastic case
- ▶ Ultra-compact size
- ▶ Battery operated
- ▶ Two year warranty