



## Model 815/815L KVp Meter

With exposure time measurement

### Features

- Easy to use
- Noninvasive measurement
- AC or DC x-rays
- High accuracy
- Measures kVp and exposure time simultaneously
- Battery operated
- Two year warranty
- Compact size
- Custom carrying case included
- Solid state digital design
- Durable ABS plastic case

### Typical Applications

- Verification of peak x-ray voltage
- Constancy checks
- Calibration of x-ray
- Quality assurance
- Measurement of exposure time
- Troubleshooting and repair of x-rays

### Description

- Measures the peak x-ray accelerating voltage from tungsten x-ray generators.
- Direct measurement of peak kV from the x-ray head, simply place 815(L) in beam and take x-ray.
- Push Mode button to display Exposure Time.
- Indicates x-ray waveform type - e.g. Half-wave, Full-wave or DC / 3 Phase.
- Flexible with many x-rays including dental, radio graphic and fluoroscopic x-rays.
- Large display readable from outside x-ray room.
- Alphanumeric display provides easy to understand status and error messages.
- Annual calibration recommended



#### Electronic Control Concepts

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# Specifications for 815/815L

## RANGE

**815:** 45 to 125Kv

**815L:** 40 to 115Kv

## KVP ACCURACY

2% +/- 1 kV, at 25 to 100 mA (815)  
or 10 to 50 mA (815L)

\*\*Accuracy at 18 to 42 cm from head for Tungsten target x-ray tube with 1.5 mm Al equivalent filtration.

## EXPOSURE TIME ACCURACY

- 1% +/- 2 millisecond (1/5 to 2 sec)

## MINIMUM EXPOSURE TIME

- 40 millisecc - High Speed Mode
- 80 millisecc - High Resolution Mode

## MINIMUM CURRENT (mA)

- 7 mA (815) or 5 mA (815L) at 50 kV,
- 10 cm from x-ray, depending on focus

# General Specifications

## DISPLAY

- 0.4" (10.2mm) LCD
- 8 Character Alphanumeric

## CONTROLS / INDICATORS

- ON/OFF Switch – Illuminated push-button with green power-on indication
- MODE Switch - momentary push-button
- No connections needed for kVp Measurement

## POWER

- 4-AA batteries accessible from bottom of case
- Low battery indicator

## BATTERY LIFE

- 48 hours continuous
- Typically 9 months of normal use

## WARRANTY

- 2 years from ship date

## PHYSICAL SIZE

- 150 x 120 x 58.5 mm
- 5.75" x 4.5" x 2.3" inches

## WEIGHT

- 0.7 kg

# Ordering Information

**Model 815** X-ray kVp / Exposure Time Meter

**Model 815L** Low Range X-ray kVp/Exposure Time Meter



# About ECC

We are recognized throughout the world, having sold to over forty countries, as well as military installations. We have been in business since 1994, and have become known for quality, reliability, and price.



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