



KVp Meter and Exposure Time Meter

Model 815 / Low Range Model 815L

Features

- Easy to use
- Noninvasive
- AC or DC x-rays
- High accuracy
- Measures kVp and exposure time simultaneously
- Battery operated
- Two year warranty
- Compact size
- Custom carrying case option
- 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
- Half value layer determination
- 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, radiographic and fluoroscopic x-rays.
- Large display readable from outside x-ray room.
- Alphanumeric display provides easy to understand status and error messages.



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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 w/ 1.5 mm
Al equivalent filtration.

EXPOSURE TIME ACCURACY

- 1% +/- 2 millisecond (1/5 to 2 sec)
- Minimum exposure time is 100 millisecond

MINIMUM EXPOSURE TIME

- 40 millisecond -High Speed Mode
- 80 millisecond -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) Liquid Crystal
- 8 Character Alphanumeric

CONTROLS/INDICATORS

- ON/OFF Switch – Illuminated push-button with green power-on indication
- MODE Switch - momentary push-button
- 8 Character Liquid Crystal Display
- 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

WEIGHT

0.7 kg

Ordering Information

Model 815 X-ray kVp / Exposure Time Meter

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

Options

Model 815CC - Padded Cordura Carrying Case specifically designed for instrument

Model 815HC - Hard Carrying Case specifically designed for maximum protection of instrument with room for accessories.



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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