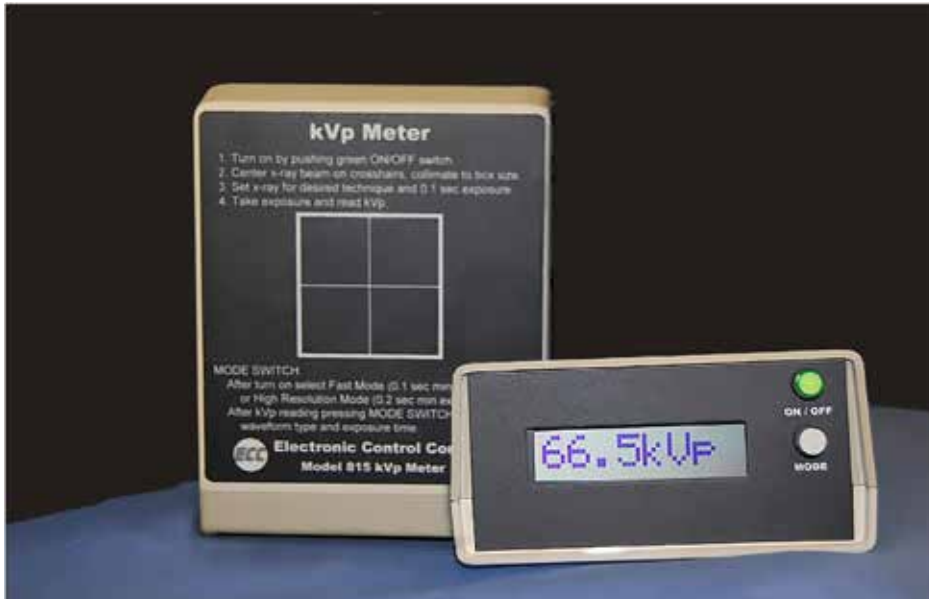


Model L-815 & Model L-815LR

KVp Meter and Exposure Time Meters

Radiation Detection for a Safer World



Introduction

The Model L-815 and Model L-815LR share the same characteristics with the exception of range: the Model L-815LR is calibrated to detect a lower range of energy. Both are reliable, battery-operated, easy-to-use, compact, and cost-effective instruments for calculating peak kV (kVp) voltage of tungsten-generated X-ray equipment and also measuring exposure time. Detectors are improved to provide greater range and more stable, repeatable measurements.

Recent product improvements to the software of these instruments now allow them to make measurements faster, thereby lessening the impact on X-ray equipment. It also minimizes or eliminates sources of errors when short exposure times are caused by employing certain techniques. In addition, an android application has been developed so that the instrument readings can be sent directly to your mobile device's display.

Specifications

RANGE:

Model L-815: 45 to 125 kV (Part Number 99-9215)

Model L-815LR: 40 to 115 kV (Part Number 99-9216)

KVP ACCURACY: 2% \pm 1 kV at 10 to 50 mA

EXPOSURE TIME ACCURACY: 1% \pm 2 milliseconds with minimum 100 millisecond exposure time

MINIMUM EXPOSURE TIME:

High Speed Mode: 40 milliseconds

High Resolution Mode: 80 milliseconds

MINIMUM CURRENT (mA): 7 mA at 50 kV

DISPLAY: 10 cm (0.4 in.), 8-character alphanumeric LCD

CONTROLS: On/Off switch, Mode switch

POWER: 4 each AA batteries (accessible from bottom of case)

BATTERY LIFE: 48 hrs continuous, typically 9 months normal use, low battery indicator

SIZE: 15 x 12 x 5.85 cm (5.9 x 4.7 x 2.3 in.) L x W x H

WEIGHT: 0.7 kg (1.5 lb)



Ludlum Measurements, Inc.