

## Model UXI Kvp, mAs, Dose & Exposure Time Meter

### Features

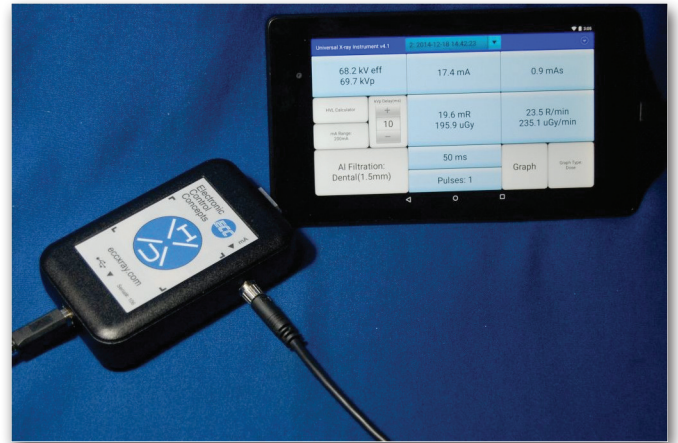
- ▶ Measures kVp, kVeff, mA, mAS, exposure time, dose, HVL
- ▶ Easy to use
- ▶ kV measurement is non-invasive
- ▶ AC or DC x-rays
- ▶ High accuracy
- ▶ mA invasive or non-invasive (option)
- ▶ Two year warranty

### USB Tablet Display

- 7 inch Tablet display for reading outside x-ray room
- Tablet holds stored readings
- Export data to spreadsheet
- Email or transfer data to computer
- Display graph of x-ray waveform

### 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
- Maintain quality of x-ray



### Description

- ▶ kVp measures the effective and peak x-ray accelerating voltage from tungsten x-ray generators
- ▶ mA measures x-ray tube current
- ▶ Non-invasive current clamp option
- ▶ Dose measures the radiation output over an area
- ▶ Works with dental, radiographic and fluoroscopic x-rays
- ▶ Place unit in x-ray beam to measure kV, dose, dose rate, Half-Value Layer (HVL), pulses, and exposure time. See readout and graph on tablet.
- ▶ Comes with protective carry case



## Model UXI kVp, mAs, Dose & Exposure Time Meter (Continued)

### Specifications for kV Measurement

#### Radiology Mode

kVp Range	50 to 125 Kv, 40 to 400 mA
kVp & kVeff Accuracy	2% +/- 1 kV for Tungsten target x-ray tube with 1 to 3 mm 40" suggested height Aluminum equivalent filtration

#### Dental Mode

kVp Range	40 to 90 Kv, 10 to 32 mA
kVp & kVeff Accuracy	2% +/- 1 kV for Tungsten target x-ray tube with 1 to 3 mm 22" suggested height Aluminum equivalent filtration
Minimum Exposure Time for kV RDG	10 ms
Exposure Time Accuracy	1% +/- 2 ms (1 ms to 4 sec) Minimum exposure time 1 ms
Minimum X-ray Current (mA)	9 mA at 40 kV 16 inches from x-ray

### Specifications for Dose

Dose Range	1.6 R/min to 185 R/min 16 mGy/min to 1850 mGy/min
Dose Accuracy	5% +/- 2 mR

### Specifications for mA

Range	1A Full Scale 2 mA – 1000 mA 1 Ohm Input impedance 0.1 mA resolution
mA Accuracy	2% +/- 1 mA
mA Connection	Via 5 meter cable with two banana/alligator clips

### Optional Non-Invasive mA Probe

Range	1A full scale 0.1 mA resolution 10 mA – 600 mA
mA Accuracy	3% +/- 1 mA

### General Specifications

Display	7" (177.8 mm) Tablet
Controls/Indicators	7 inch Nexus II Tablet Display 14 foot USB cable (4 meters) Remote operation via USB
Power	USB powered via tablet (rechargeable)
Battery Life	Battery length with the tablet is 5 hours Unit comes with a 2A/AC charging adapter
Warranty	2 years from ship date for unit Separate warranty for tablet through manufacturer
Physical Size	73 X 116 X 27 mm 2.874 X 4.567 X 1.063 inches
Weight	200 g, (0.5 lb)