



X-RAY PULSE COUNTER AND EXPOSURE TIME METER

Model 8700

FEATURES

- Easy to use
- Small hand held size
- AC or DC X-rays
- New High Accuracy Circuit
 - +/- 1% for exposure time
- Self Resetting
- Battery Operated
- Two Year Warranty
- Direct Exposure Reading or AC input
- Use for Medical or Dental X-rays

TYPICAL APPLICATIONS

- Verification of x-ray exposure time
- Calibration of x-ray timer
- Quality Assurance
- Detect presence of x-ray
- Measurement of exposure time
 - Digital x-ray
 - Conventional x-ray
- Direct measurement of timer accuracy
- Analyze x-ray malfunctions

DESCRIPTION

- Measures the time or duration of radiation output produced by any x-ray generator.
- Direct measurement of exposure from the x-ray head. Just place 8700 under head and fire x-ray.
- Pulse Mode - half-wave and full-wave x-ray pulses are counted as 60 or 120 pulses per second, measures number of pulses
- Millisec Mode – Must be used for DC, capacitor discharge and 3-phase x-rays, exposure time is measured in milliseconds.
- Millisec Mode – May be used for half-wave and full-wave x-ray. Measures and displays time in milliseconds.
- When testing x-ray timers and controls, the time of relay contact closure can be measured using the AC input feature.
- 12 x 2 Character display allows more information
- New improved circuit increases accuracy, sensitivity and reliability.



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www.eccxray.com

1-800-VIP-XRAY

NOTES

Regular x-ray testing with Model 8700 helps prevent poor or inconsistent quality of x-ray images due to inaccuracy or inconsistency of exposure time. This prevents repeat examinations, which cost time and money. The digital X-ray Pulse Counter / Exposure Time Meter is a noninvasive, solid state instrument that is used by regulatory agencies, x-ray technicians, hospitals, x-ray laboratories and others for testing and quality assurance of x-ray equipment.

SPECIFICATIONS

ACCURACY

AC / Pulse - one (1) count
DC - 1%, +/- 1 millisecond
Measures at 50% of peak value

SENSITIVITY

X-ray Input: 40kVp, 3mA at
5 cm from top surface of case,
pointed to target on case.
AC Input: 90 VAC minimum

RANGE

1 ms to 65.5 seconds
1 pulse to 65,536 pulses

DISPLAY

2x12 Character Liquid Crystal Display
0.21" (5.5mm) character height

CONTROLS/INDICATORS

Three Position Switch
Pulse, Off, Milliseconds

POWER

Internal 9 Volt Battery
Low battery indicator

BATTERY LIFE

120 hours continuous
Typically 1 year of normal use

PHYSICAL SIZE

80 X 147 X 40 mm
3.15 X 5.8 X 1.6 inches

CONNECTIONS

None required for direct x-ray exposure
measurement
2 Tip Jacks for AC input

ORDERING INFORMATION

Model 8700 X-Ray Pulse Counter /
Exposure Time Meter

Model 8700CC Padded cordura Carrying
Case. Carrying case specifically designed
for instrument.

Model 8700HC Hard case, provides room
for instrument and cables as well as some
tools.

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ABOUT ECC:

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