



Model 870 mA/mAs Meter

With exposure time measurement

Features

- Small hand held size
- Measure current from any x-ray
 - › Single phase
 - › Full wave
 - › Multiphase
 - › DC
- New High Accuracy Circuit
- Self-Resetting
- Battery Operated
- Two Year Warranty
- Built in measurement of battery
- Use for Medical or Dental X-rays
- Use for digital x-ray
- Displays mA, mAs and exposure time for each reading
- Easy to use

Typical Applications

- Check x-ray tube filament emission by measuring mAs value of exposure
- Check and adjust mA settings
- Verification of x-ray exposure time

- Calibration of x-ray timer
- Quality Assurance
- Measurement of exposure time
- Analyze x-ray malfunctions

Description

- Measures tube current of x-ray generators
- Calculates product of exposure time and mA for mAs
- Connect two leads in series with tube current
- Exposure time is measured in milliseconds
- Provides automatic detection of AC / DC
- Eliminates need to reset
- Stores and displays mA minimizing need for long x-ray exposure
- Displays all information eliminating need for multiple exposures



Electronic Control Concepts

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Specifications for Model 870

RANGE

- 200 mA Full Scale
 - › 0.1 mA Resolution (mA or mAs)
 - › 10 Ohms Input impedance
 - › Measures 5 to 200 mA
- 2A Full Scale
 - › 1 mA Resolution (mA or mAs)
 - › 1 Ohm Input impedance
- Meter automatically selects AC / DC
- Select range via On / Off Switch

mA / mAs ACCURACY

- +/- 2% + 1 digit

CONNECTION

- Tip Jacks
- Test leads with two alligator clips

DISPLAY

- 0.22" (5.5mm) Liquid Crystal
- 2 line, 12 Character Alphanumeric

CONTROLS/INDICATORS

- ON / OFF / Range Switch
- 24 Character Liquid Crystal Display
- Displays mA, mAs and Exposure time for each exposure.

POWER

- 9 Volt batteries accessible from bottom of case
- Low battery indicator

BATTERY LIFE

- 100 hours continuous
- Typically over one year of normal use

WARRANTY

- 2 years from ship date

PHYSICAL SIZE

- 80 x 147 x 40mm
- 3.15" x 5.8" x 1.6" inches

WEIGHT

- 250 g, (0.55 lb)

RECALIBRATION

- Annually

OPERATING CONDITIONS

- 10o to 40°C
- 50° to 104°F



Ordering Information

Model 870 is mA/mAs/Exposure Time meter with carry case.

About ECC

Established in 1994, ECC products are known for their quality, reliability, and value. Our meters are sold in over 40 countries and to various military installations.



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