



## Model 890 Dose Meter

With exposure time measurement

### Features

- Measures x-ray dose / dose rate
- Measures exposure time
- Selectable English and metric units
- Easy to use
- Works with AC or DC x-rays
- No need to set for AC / DC
- High accuracy
- Battery operated
- Two-year warranty
- Carrying case included
- Solid state digital design
- Durable ABS plastic enclosure

### Typical Applications

- Measure effective dose
- Test mA and mAs linearity
- Verify mAs reproducibility
- Measure patient equivalent dose
- Calibration of x-ray

- Quality assurance
- Measurement of exposure time
- Radiation safety measurement
- Troubleshooting and repair of x-rays
- Maintain quality of x-ray
- Measure Half Value Layer

### Description

- Measures x-ray dose
- Integrates signal from solid state detector
- Converts reading to mR or uGy
  - › Switch selectable
- Calculates dose rate based on exposure time
- Easy to understand status and error messages
- Modern solid state instrument will provide many years of service



#### Electronic Control Concepts

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## Specifications for 890

### DOSE RANGE

1 mR to 2000 mR  
0.01mGy to 20 mGy  
10uGy to 20000uGy

### DOSE ACCURACY

5% +/- 1 mR

### EXPOSURE TIME ACCURACY

1% +/- 1 millisecond - 20 to 5000 mS

### DISPLAY

Liquid Crystal  
0.21" (5.5mm) Character Height

### CONTROLS

ON/OFF - UNITS Switch

### OUTPUTS

2x12 Character Liquid Crystal Display

### POWER

9 Volt Battery

### BATTERY LIFE

120 hours continuous  
Typically 1 year of normal use

### UNIT PHYSICAL SIZE

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

### WEIGHT

350 g, (0.81 lb)

### ENVIRONMENTAL

Temperature  
Operating +10°C to 40°C  
Storage 0°C to 50°C  
Humidity  
Up to 75% relative humidity

### CONNECTIONS

None  
Remote sensor available

### OPTIONAL ACCESSORIES

Remote Sensor



## 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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