

## Model 07-487 Dual-range Digital mAs meter

The Model 07-487 dual-range digital mAs meter allows service personnel to check and adjust mA settings of x-ray generators conveniently and accurately. This easy-to-use instrument is calibrated directly in mAs, thus avoiding the calculations required with more complicated and expensive equipment.

The dual range gives the Model 07-487 excellent sensitivity and precision of reading. It can resolve increments of 0.1 mAs. The low range measures 0.1-199.9 mAs; press the range button and the range expands to 0-1999 mAs.

The greatest use for this meter is in calibrating the high current, short-time stations where the use of conventional mAs meters is precluded by tube ratings. The instrument can be used (after verifying the generator accuracy) to set all mA stations and check that phototiming error does not exceed the limits of good practice.

The input circuit uses a bridge rectifier feeding a 5 ohm resistor. There is no need to observe polarity or worry about the pulse, AC, self-rectified circuits, etc., as long as the meter is in the actual tube current ground return line. To use, simply connect the cable to the x-ray generator and make the required exposure. The mAs reading appears instantaneously on the 4 digit LCD. A display indicator warns of the need for battery replacement.



### Features:

- ▶ Meets today's QC needs for accuracy and dependability
- ▶ Dual range for precision and high current
- ▶ Easy to use; calibrated directly in mAs; no calculation required
- ▶ Hand-held, lightweight, battery operated

### Specifications

Ranges:	0.1-199.9 mAs ("+" over range indicator above 160 mAs)	1-1999 mAs ("+" over range indicator above 1600 mAs)
Accuracy:	±2% of reading	
Input current:	25 to 1000 mA	
Drift:	zero	
Operating temp.:	15-30°C (50-100°F)	
Controls:	Power (on/off), Range (high/low), Reset	
Input:	2 banana jacks	
Includes:	24 in cable with banana plugs on one end and insulated alligator clips on the other	
Power:	single 9 V alkaline battery, NEDA 1604, typical 8 hour life	
Dimensions:	8.9 x 16.8 x 3.5 cm (3.5 x 6.6 x 1.4 in)	
Weight:	0.2 kg (7 oz)	