

07-MAS5

mAs Meter



The 07-MAS5 mAs Meter simultaneously provide mAs, exposure time, and mA, as well as mA waveform information. This intelligent meter displays three 50-millisecond mA waveform samples so radiographic and mammographic pre-heat circuits can be analyzed and adjusted without using an oscilloscope. Based on feedback from field service engineers, the 07-MAS5 also features a button that causes the meter to ignore the first 10-millisecond of the mA waveform. Featuring a microcontroller to analyze the digital mA waveform, the 07-MAS5 mAs Meter accurately display the values essential for analyzing and calibrating radiographic and mammographic equipment.

Key features

- An intelligent meter that measures mAs, exposure time, and mA all at the same time
- Provides mA waveform information
- At a button press, the 07-MAS5 meter ignores the first 10 milliseconds of exposure
- AC and DC inputs
- A diagnostic power-up sequence to indicate operational status
- Auto LCD update
- Optional manual reset
- Automatic power-down when meter is not used for more than five minutes
- Displays when an exposure is detected
- Low battery indication

The four line LCD displays the following:



- Line 1 mAs** (average tube current (mA) times mA waveform exposure time)
- Line 2 Exposure time** (mA waveform exposure time in seconds)
- Line 3 mA** (average tube current (mA) over the entire mA waveform)
- Line 4 Three sample mA waveform values:**
 - 1st waveform value represents the average mA for the 1st 50 milliseconds of exposure
 - 2nd waveform value represents the average mA for the 2nd 50 milliseconds of exposure
 - 3rd waveform value represents the average mA for the 3rd 50 milliseconds of exposure

Specifications

Reset	Auto LCD update; optional manual reset
Dynamic range	10 mA to 2000 mA; 0.1 mAs to 999.9 mAs; 1 ms to 6.535 sec
Accuracy	mAs: ± 0.1 mAs or 1 % (whichever is greater)
	mA: ± 1.0 mA or 0.5 % (whichever is greater)
	Time: ± 1 ms or 1 % (whichever is greater)
Operating temperature	15 °C to 35 °C (59 °F to 95 °F)
Power requirements	One 9 V battery
Typical battery life	> 40 hours
Size	10.16 cm x 16.51 cm x 0.84 cm (4 in x 6.5 in x 0.33 in)
Weight	0.28 kg (0.625 lb)

Ordering information

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