



X-ray Exposure Meter

GAMMEX MA0393

The Gammex MA0393 X-ray Exposure Meter is a rugged meter for making routine tests of x-ray exposure and rate. This compact instrument consists of an electrometer with display electronics and a built-in ion chamber. Just place the meter on the optional remote detector on the x-ray table, collimate the beam to the detector and make an exposure. The 3 1/2 digit, 1/2 inch liquid display is easy to read and presents up to 2 R and 20 R/min.

SPECIFICATIONS

Range	0.001 to 2 R, 0.01 to 20 R/min
Measurement Area	20.5 cm ² (5.1 cm diameter) effective
Center of Ion Chamber	1.03 cm below top of chamber
Standard Calibration	At 75 kVp w/4 mm Al filtration at 22° C and one atmosphere
Reproducibility	Within 2% short term over 100 mR to 2 R
Energy Response	±5% from 15 to 65 keV (30 to 150 kVp filtered)
Electrometer Drift	0.5 to 1 mR/min typical; 6 mR/min max
Maximum Exposure Rate	Minimum 90% collection at 20 R/sec
Reset	Automatic or Manual
Operating Environment	10 to 40° C, max 90% relative humidity
Display	3 1/2 digit LCD
Controls	Auto/Manual Reset, Zero Reset, Dose/Dose Rate, Integral/Remote Ion Chamber ON/OFF Switch
Power	9V Alkaline Battery (included)
Size	7x15x16 cm (2x6x6.3 in)
Weight	0.7 kg (1.5 lbs)