LUDLUM MEASUREMENTS, INC.

Model PMLX
Precision Photometer

Part Number: 99-9700

Introduction

This hand-held, easy-to-use Model PMLX Precision Photometer with digital display is designed to measure both illuminance (the amount of light falling on a surface) in lux (lumens per m^2) and luminance (the amount of light emitted from a surface in 'nit' [candela per m^2]).

The Precision Photometer quickly verifies that collimator light sources are in accordance with regulations. It also measures the brightness and uniformity of an X-ray viewbox for appropriate brightness and uniformity. When used for Mammography Quality Control, the photometer will provide measurement of viewer luminance and room illuminance required by MQSA guidelines.

The optional rigid fiber optic probe can be used to make measurements of SMPTE* patterns produced by digital display units, in order to determine appropriate density and contrast settings for image display monitors.

The battery operated photometer has a bright LED display and only two operating controls: "Measure" for taking readings and "Range" to adjust the meter display to the light being measured.

*SMPTE: Society of Motion Picture & Television Engineers

Specifications

ILLUMINANCE (lux): 0.1 to 999,000
LUMINANCE (cd/m²): 0.1 to 999,000
ACCURACY: 1% plus two digits
ACCURACY SPECTRAL: 7% at 2800 K
SENSOR: silicon wtih photometric filter
POWER: button cell batteries
SIZE (H x W x L): approx. 10 x 7 x 3 cm (4 x 2.8 x 1.2 in.)
WEIGHT: 113 g (4 oz.)

Options

- Model PM10 Rigid Fiber Optic Probe (PN: 99-9701)

Ludlum Measurements, Inc. P.O. Box 810, Sweetwater, Texas 79556
Web: ludlums.com **Tel**: 800-622-0828 / 325-235-5494 **Fax**: 325-235-4672 **Email**: sales@ludlums.com

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