

Model 30-6

Extended Reach Gamma Survey Meter



Ludlum Measurements, Inc.

Features

- Multi-Function Pole-Mounted Digital Display
- Very Sensitive Plastic Scintillator Gamma Detector
- Large Backlit Display with Ambient Light Sensor
- Ball-Joint Mounted Display Unit Adjusts Angle to Maximize Ease of Viewing
- Rugged, Low-Weight Gamma Survey System
- Easily Adjustable Handle Postion



Part Number: 48-4195



Specifications

DETECTOR

SCINTILLATOR: 15.2 X 2.5 cm (6 x 1 in.) EJ212 plastic

PHOTOMULTIPLIER TUBE: 2.86 cm (1.125 in.) diameter; head-on type; magnetically shielded

SENSITIVITY: typically 2500 cps/ μ Sv/h (1500 cpm/ μ R/hr) (137 Cs gamma)

ENERGY RESPONSE: energy dependent

PHYSICAL: aluminum with powder-coat finish; 16.8 x 21.6 cm (6.6 x 8.5 in.) (Dia x L); 1.2 kg (2.7 lb)

ELECTRONICS

LCD DISPLAY: 3 digit LCD with large 13.4 mm (0.53 in.) digits, low-battery indicator, MAX, ALARM, MUTE

USER CONTROLS:

- **OK** button - power instrument ON and OFF, toggle click audio, acknowledge audio alarms, reset MAX mode, start/reset the COUNT time
- **UNITS** button - cycles through configured display units
- **MODE** button - cycles through all possible operating modes: RATE, MAX, COUNT. User to select one mode to enable; others will be skipped.

LINEARITY: reading $\pm 10\%$ of actual value

ALARMS: count rate, exposure/dose, and count alarm setpoints adjustable over the display range

FAULT DETECTION: Overload protection, Loss of Count protection, Over-Range, Calibration Expiration Lockout

UNITS: two sets of display units can be configured for RATE/MAX mode and COUNT. The user can switch between units by pressing the Units button.

RESPONSE TIME: programmable to fixed, auto fast, or auto slow

AUDIO: greater than 75 dB at 0.6 (2 ft), approximately 4 kHz

POWER: two alkaline or two rechargeable "AAA" batteries; battery life: approximately 100 hours of operation, 24-hour low battery warning

TEMPERATURE RANGE: -20 to 50 °C (-4 to 122 °F), may be certified for operation from -40 to 65 °C (-40 to 150 °F)

ENVIRONMENTAL RATING: NEMA (National Electrical Manufacturers Association) rating of 3x or IP (Ingress Protection) rating of 52 with audio hole seal option (hole seal option will reduce maximum volume by approximately 10 dB)

PHYSICAL: high-impact plastic with water-resistant rubber seals; approximately 8.5 x 8.0 x 4.7 cm (3.5 x 3.1 x 1.9 in.) (H x W x L); 174 g (0.38 lb)

OVERALL

PHYSICAL: 173 x 20.3 cm (68.2 x 8 in.) (L x W); 2.9 kg (6.5 lb)

OTHER: includes all required cables, batteries, current calibration certificate, manual(s)

Ludlum Measurements, Inc. P.O. Box 810, Sweetwater, Texas 79556

Web: <http://www.ludlums.com> Tel: 800-622-0828 / 325-235-5494 / Fax: 325-235-4672 / Email: ludlum@ludlums.com

Note: specifications subject to change without notification. We are not responsible for errors or omissions.

October 2018