

Model 30-6 Extended Reach microR Survey Meter

Features

- Rugged, Low-Weight microR Survey System
- Multi-Function Pole-Mounted Digital Display
- Very Sensitive Plastic Scintillator Gamma Detector
- Large Backlit Display with Ambient Light Sensor
- Ball-Joint Mounted Display Unit with Adjustable Viewing Angle
- Adjustable Pole Length and Handle Position



(Close up of the Model 30-6 adjustable pole and handle)



(Model 30 Meter Face)

Specifications

Part Number: 48-4195

DETECTOR: EJ-212 plastic scintillator, 15.2 x 2.5 cm (6 x 1 in.) (D x L)

SENSITIVITY (¹³⁷Cs gamma): Typically 150 kcpm per μ Sv/h (1500 cpm per μ R/hr)

ENERGY RESPONSE: Energy dependent

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

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

BACKLIGHT: Built-in ambient light sensor automatically activates low-power LED backlight, unless internal dipswitch is set to continuous-on (will reduce battery life). Alarm light intensity varies based on ambient light levels.

RANGE: 0.00 to 2000 μ R/hr; 0.00 to 20 μ Sv/h

USER CONTROLS:

- **OK** button - Power instrument ON and OFF; Toggle click audio; Acknowledge audio alarms; Treset MAX mode; Start/Reset the COUNT time
- **UNITS** button - Cycles through configured display units; two sets of units can be configured for RATE/MAX mode and COUNT
- **MODE** button - Cycles through the operating modes: RATE, MAX, COUNT.

RESPONSE TIME: User-selectable from 1 to 60 seconds, or auto-response rate FAST or SLOW

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

SIGMA AUDIO ALARM: Instrument takes a baseline reading at startup. If subsequent readings exceed two sigma above baseline, a steady pulse pattern will be heard.

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

DEAD TIME CORRECTION: Employs first and second order corrections for extended performance

HIGH VOLTAGE: 700 to 1100 Vdc

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

CONSTRUCTION: DISPLAY: High-impact plastic with water-resistant rubber seals; DETECTOR HOUSING AND POLE: Aluminum with powder-coat finish

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 rating of 3x or IP rating of 52 with audio hole seal option (hole seal option will reduce maximum volume by approximately 10 dB)

OVERALL LENGTH: Adjustable from 111 to 161 cm (43.6 to 63.4 in.), with 11 different length settings

OVERALL WEIGHT: 2.9 kg (6.5 lb)

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:** sales@ludlums.com

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

Sep 2022