

## 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 (<sup>137</sup>Cs gamma):** Typically 150 kcpm per  $\mu$ Sv/h (1500 cpm per  $\mu$ 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  $\mu$ R/hr; 0.00 to 20  $\mu$ Sv/h

**USER CONTROLS:**

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

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

**CLICK AUDIO DIVIDE:** x1, x10, x100, x1k

**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)

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

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