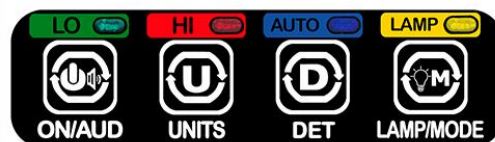


## Model 3078 Series Stretch Scope

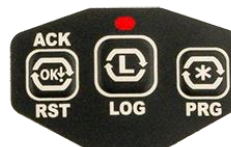
### Features

- Lightweight, Telescoping Carbon Fiber Pole - 1.3 to 4.7 m (4.1 to 15.3 ft)
- Range: 1  $\mu\text{Sv/h}$  to 10 Sv/h (0.1 mR/hr to 1000 R/hr)
- 1  $\mu\text{Sv/h}$  (0.1 mR/hr) Display Resolution
- Low, High, or Auto Range Selection
- Rate, Max, Count, and Dose Modes
- External Detector with 2 GM Tubes
- Version Available with Internal Detector
- 4-Button Intuitive Interface for Easy Operation (see top right photo)
- 3-Button Handle Interface for Easy Feature Control (see photo at right)
- Digital Calibration and Datalogging
- Large Backlit LCD for Ease of Reading
- Lamp on End of Detector to Illuminate Inspection Area
- Bluetooth and Headphone Options

### Meter Buttons



### Handle Buttons



### Introduction

The Model 3078 and Model 3078i Stretch Scopes provide the operator with the ability to investigate areas of suspected gamma contamination while remaining at a greater distance from the potentially high fields of radioactivity. Each instrument includes an external GM detector, and the Model 3078i also has an internal GM detector. The 4.7 m (15.3 ft) carbon fibre telescoping pole allows the attached detector to reach areas difficult to access with other types of instruments. The meter body is made of durable, high-impact plastic with spray-resistant construction allowing for outdoor use.

A large, easy-to-read LCD backlight adjusts to changing ambient light conditions to provide optimum viewing in any lighting conditions. User-adjustable audio levels provide the operator with audible clicks and alarms across all modes of operation.

Each Model 3078 Series instrument has four modes of operation (RATE, MAX, COUNT, and DOSE) selectable using the MODE button. Measurements can be collected in two sets of units (primary and secondary) for all modes of operation by pressing the UNITS button. The external detector can operate in LOW, HIGH, or AUTO range modes by pressing the DET button. With datalogging enabled, a simple press of the LOG button will record and time-stamp the current reading. Each instrument can store up to 1000 data points. On the Model 3078i, the internal energy-compensated GM tube runs continuously and reports accumulated dose measurements, which can be viewed at any time by pressing the PROG button.

## Specifications

**Model 3078** Part Number: 48-4332

**Model 3078i** Part Number: 48-4337

**DETECTOR:** EXTERNAL: two energy-compensated GM tubes, INTERNAL (Model 3078i only): one energy-compensated GM tube

**ENERGY RESPONSE:** within 25% of true value from 60 keV to 3 MeV

**LINEARITY:** readings within 10% of true value

**DISPLAY:** three-digit auto-ranging LCD with bar graph, thirteen units, five multipliers, two mode icons, three alarm levels, four fault messages, one detector icon, as well as USB, wireless, audio, and low-battery icons

**DISPLAY RANGE:** 1  $\mu$ Sv/h to 10 Sv/h (0.1 mR/hr to 1000 R/hr)

**DISPLAY BACKLIGHT:** built-in ambient light sensor automatically activates LED backlight unless internal dipswitch is set to continuous-on

**ALARMS:** three adjustable RATE, COUNT, and DOSE alarms per unit

**RANGE SELECTION:** LOW range (1  $\mu$ Sv/h to 20 mSv/h or 0.1 mR/hr to 2 R/hr), HIGH range (8 mSv/h to 10 Sv/h or 0.8 R/hr to 1000 R/hr), or AUTO range across full display range

**RESPONSE RATE:** user-selectable from 1 to 60 seconds, auto SLOW, auto FAST, fixed SLOW (22s), fixed FAST (4s)

**AUDIO:** "click" audio greater than 65 dB at 0.6 m (2 ft), alarm audio greater than 72 dB at 0.6 m (2 ft)

**CALIBRATION PROTECTION:** internal dipswitch to disable front-panel calibration parameter changes

**POWER:** four "AA" batteries

**BATTERY LIFE:** approximately 85 hours with no backlight (as low as 20 hours with backlight and lamp continuous-on), 16 hour low-battery warning

**CONSTRUCTION:** high-impact polycarbonate with rubber seals and separate battery compartment attached to adjustable carbon fiber pole

**TEMPERATURE RANGE:** -20 to 50 °C (-5 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 53

**SIZE:** 20.0 x 11.4 x 125.1 cm (7.9 x 4.5 x 49.25 in. [4.1 ft.]) retracted, fully extended length 466.7 cm (183.75 in. [15.3 ft.])

**WEIGHT:** 2.5 kg (5.4 lb) including batteries and shoulder strap

**NOTE:** *Specifications subject to change without notification, weights and measurements are approximate.*