

Model 9-7S Ion Chamber Stretch Pole with Ratemeter

Part Number: 48-4449



Features

- Digital Readout
- 1.1 to 3.8 m (3.7 to 12.6 ft.) Telescoping Stainless Steel Pole
- Accommodates Ludlum Model 9-7 and Eberline RO-7 Ion Chamber Detectors
- Backlit Display
- Display Range: 0 to 19.99 kR/hr
- Click-To-Frequency-Driven Audio

Specifications

DETECTOR: sold separately, accommodates Ludlum Model 9-7 and Eberline RO-7 detectors

DISPLAY: 3½-digit LCD with 1.3 cm (0.5 in.) digits and floating decimal point

CONTROLS: power switch for OFF, BAT TEST, ON; LAMP ON-OFF; AUDIO ON-OFF; ZERO ADJUST

RESPONSE TIME: detector dependent, approximately 2.5 seconds to 90% of final reading

INDICATORS: LED indicators for Low Battery Alert and kR/h Range Active

DISPLAY RANGE: detector dependent, see table below

WORKING ENVIRONMENT: splashproof shields for outdoor use (environmental rating of IP52)

POWER: two "D" cell batteries, approx. 160 hour battery life

CONSTRUCTION: aluminum housing with beige powder coat, polished stainless steel telescoping pole

SIZE (H x W x L): 11.6 x 10.7 x 113 cm (4.6 x 4.2 x 44.5 in.) retracted, 384 cm (151.3 in.) fully extended

WEIGHT: approx. 2.9 kg (6.4 lb), including batteries

Introduction

The Ludlum Model 9-7S is a stretch pole and ratemeter that can be attached to any compatible ion chamber (sold separately). This instrument provides remote monitoring in high-range beta and gamma fields. The gamma measurement range is 0 to 19.99 kR/hr, covered by three separate detectors (see table below). These ion chambers are connected directly to the instrument at the tip of the pole, and the Model 9-7S controller automatically recognizes which detector is connected so no recalibration or adjustment is required when switching detectors. The backlit LCD displays three easily-readable digits together with a floating decimal point to indicate the measurement along the R/hr scale. When connected to the highest range detector, a separate kR/hr indicator is prominently illuminated to warn the operator of the higher scale in use.

Optional Detectors

Model	9-7-LD	9-7-BM	9-7-BH
Part Number	47-3693	47-3694	47-3696
Application	Detects gamma	Detects beta-gamma	Detects beta-gamma
Range	0.001 to 1.999 R/hr	0.1 to 199.9 R/hr	0.01 to 19.99 kR/hr
Resolution	0.001 R/hr (1.0 mR/hr)	0.1 R/hr (100 mR/hr)	0.01 kR/hr (10 R/hr)

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