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Ludlum Response Kit Model 2241-3RK

PART NUMBER:48-3189

INDICATED USE: Emergency Response

DETECTORS: Model 44-9, Model 44-2, Model 133-7

SCA/RATE: Toggle switch to select between the
scaler and ratemeter display mode

ALERT/ALARM: Indicated by annunciator on display
and audible tone

DISPLAY: 4 digit LCD display with 0.5"(1.3cm) high
digits, separate annunciators for display units,
alert, alarm, low battery, detector overload,
counting overflow, and scaler counting

BACKLIGHT: Push-button to activate

RATEMETER: Can display in R/hr, Sv/hr, cpm, or cps

DISPLAY RANGE: Auto ranging from 0.0 μ R/hr - 9999 R/hr; 0.000 μ Sv/hr - 9999 Sv/hr;
0 cpm - 999k cpm; or 0 cps - 100k cps

SCALER: Activated by push-button in handle
(count time adjustable from 1 - 9999 seconds in 1 second intervals)

HIGH VOLTAGE: Four independent controls; each adjustable from 200 - 2500 volts

DISCRIMINATOR: Adjustable from 2 - 100 mV

OVERLOAD: Indicated by OVERLOAD on display (adjustable depending on detector selected)

BATTERY LIFE: Typically 200 hours with alkaline batteries (low battery indicated on display)

SIZE: 6.5"(16.5cm)H X 3.5"(8.9cm)W X 8.5"(21.6cm)L

WEIGHT: 3.5 lbs (1.6kg) including batteries

The following parameters are adjusted by a removable switchboard. Once initial setup and calibration have been completed the switchboard can be removed without affecting normal operation of the instrument (Model 2241-3 may be ordered without switchboard)

BACKLIGHT .ON. TIME: 5, 30, 60, 90, 180, or 240 seconds for the backlight to stay .ON. .

SET MINIMUM DISPLAY: Allows lower limit of auto-ranging display to be fixed. For example, display can be set to not show values less than 1 μ R/hr.

RS-232 DATA DUMP MODE: Enables or disables dump mode to RS-232 port. When enabled data will be dumped every 2 seconds

RS-232 DETECTOR SETUP MODE: Allows for detector parameters to be input by RS-232 port

BAUD RATE: 150, 300, 600, 1200, 2400, 4800, 9600, or 19200 bps.

DEAD TIME: Adjustable from 0 - 9999 μ seconds

CALIBRATION CONSTANT: Adjustable from 0.001 - 280 X 109 counts/display unit

DISPLAY UNITS: Can read in R/hr, Sv/hr, cpm, or cps

TIME BASE: Can read in seconds or minutes

AUDIO DIVIDE: 1, 10, 100, or 1000 events-per-click

RESPONSE:

FIXED: FAST response time adjustable from approximately 2 - 50 seconds. SLOW response is 5 times fast setting

VARIABLE: Dependent on number of counts present. Typical times FAST - 4 - 25 seconds, SLOW - 4 - 60 seconds (All times stated from 10% to 90% of final reading)

RATEMETER ALERT/ALARM: Set at any point corresponding to pre-selected ratemeter range

SCALER ALARM: Adjustable from 1 - 999999 counts

