

Ludlum Model 3000 Digital Survey Meter



COMPATIBLE DETECTORS: G-M, scintillation, proportional

LCD DISPLAY: 3 digit LCD with large 20 mm (0.8in.) digits, (k)cps, (k)cpm, (k)Bq, (k)dpm, (μ)(m)R/hr, (μ)(m)Sv/hr, low-battery indicator, MAX, ALARM, AUDIO

DISPLAY RANGE: 0.0 cps to 99.9 kcps; 0.00 cpm to 999 kcpm, 0.00 Bq to 99.9 kBq, 0.00 dpm to 999 kdpm, 0.00 μ R/h to 999 R/h; 0.00 μ Sv/h to 999 Sv/h; Max display can be set to limit display to calibrated range

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

OVERLOAD: high count rate saturation protection prevents false display of lower count rates LOSS OF COUNT ALARM

PROTECTION: after preselected time interval (default 60 seconds) of no pulses from detector, audible and visual alarms will be activated

BACKLIGHT: built-in ambient light sensor automatically activates low-power LED backlight, unless internal dipswitch is set to continuous-On (will reduce battery life)

USER CONTROLS:

ON/OFF/ACK – press to turn ON, tap to acknowledge alarms and silence alarm tone, press to reset Sigma Audio alarm, hold for OFF

MODE – alternates between NORMAL (count rate), MAX (captures peak rate), and COUNT (user-selectable preset count time from 0 to 10 minutes) Number of modes can be reduced in setup.

AUDIO – turn “click” audio On/Off, turn Sigma Audio beep On/Off

UNITS – changes the units between count rate (cpm, cps) dose/exposures (μ Sv/h, mR/h), or disintegration (dpm, Bq)

RESPONSE TIME: user-selectable from 1 to 60 seconds, or Auto-Response Rate FAST or SLOW

AUDIO: greater than 75 dB at 0.6 (2ft), approximately 4.5 kHz

POWER: four alkaline or four rechargeable “AA” batteries (instrument does not support in-device charging)

BATTERY LIFE: approximately 750 hours of operation (as low as 100 hours with backlight configured for continuous-on), 16-hour low battery warning

CONSTRUCTION: high-impact plastic with water-resistant rubber seals and separate battery compartment

TEMPERATURE RANGE: -20 to 50 degrees Celsius (-5 to 122 degrees Fahrenheit), may be certified for operation from -40 to 65 degrees Celsius (-40 to 150 degrees Fahrenheit)

ENVIRONMENTAL RATING: NEMA (National Electrical Manufacturers Association) rating of 4x or IP (Ingress Protection) rating of 65

SIZE: 16.5 x 11.4 x 21.6 cm (6.5 x 4.5 x 8.5 in.) (H x W x L)

WEIGHT: 0.9 kg (2.0 lb)
