

Survey Meter 3007A / 3007A – Sv



Model 3007 A

Portable, battery-powered, transistorized survey meter that can be used for radiation monitoring purposes and/or contamination measurements

Detects Alpha, Beta, X-Ray and Gamma
3 – Operating Ranges (x100,x10,x1)

Range: 0 to 50 mR/hr (0 – 500 uSv/hr) with Model 3012 probe

Range: 0 – 30,000 cpm (0 to 500 cps) with thin window or pancake probe

Available Options: Headphone for personal audible monitoring in high noise areas

Environmental Effects

| | |
|---------------------------|-----------------------|
| Temperature Range: | -10C to 50 C |
| Humidity (Non-Condensing) | 20 to 95% |
| Accuracy | ± 20% |
| Reproducibility | ± 10% |
| Calibration | ± 20% |
| Linearity | ± 20% |
| Exposure Rate Limit | 1 R/h (10 mSv/h) |
| Warm up time | None |
| Response time | 5.4 sec time constant |

Adjustable carrying strap is Included

Physical Characteristics

| | |
|------------|---|
| Visual | 2.62" round meter |
| Audio | Panel mounted speaker 85 dBA min |
| Power | 2 - "D" cells 1 - "9v" battery |
| Connectors | Model 3020 headset |
| Case | Aluminum body & cover |
| Finish | Polyurethane enamel |
| Controls | 4 position selector switch (Off,x1,x10,x100) |
| Weight | 4.2 lbs (1.8 kg) |
| Width | 4.38 " (111 mm) |
| Length | 8.75" (222 mm) |
| Height | 4.25" (109 mm) |

The 3007A has individual calibration controls for each range
Equipped with a speaker which can be turned off, provides clicks that are in proportion to the radiation field intensity

Survey Meter 3007 A / 3007A – Sv

Probes available

Model 370 – End Window Probe

- Excellent general purpose probe
- Detects Alpha, low energy beta, low energy x-ray and gamma radiation
- Mica window – 1.8 & 2.0 mg/cm²
- Alpha > 3.0 MeV
- Beta > 35 keV
- Standard 900 V operation
- End Window GM for greater flexibility of measurements
- Combines features of heavier wall beta/gamma probe with end window sensitivity to low penetrating radiations



Model 370

Model 3012/3012-MHV – Sliding window

- Detects medium and high energy X-ray and gamma radiation, as well as high energy beta
- Sliding window which provides energy discrimination capability
- Compact detector size
- High radiation level measurement



Model 3012

Model 360 - Pancake Probe

Detects alpha, low energy beta, low energy x-ray, Gamma radiation

- Large area thin window detector
- Alpha as low as 3.0 MeV (when in close proximity)
- Beta > 35 keV
- Easy maintenance and tube replacement
- Convenient handle for frisking
- Standard 900 V operation
- Close proximity of detector to front surfaces of probe gives excellent efficiency for Alphas and weak Betas



Model 360 – Pancake Probe

