

Tracerco™ T401

Alpha, beta and gamma measurement

The Tracerco™ T401 radiation contamination monitor has been designed to be the ultimate lightweight handheld monitor for the detection and measurement of radioactive contamination. It is robust and reliable, easy to use and highly cost effective. The Tracerco™ T401 also offers a number of additional key features, such as operational reliability, a direct surface activity mode and peak reading to make radiation monitoring easier for the user.

Benefits

- Digital bar graph meter display in the range of 0-1,000 cps
- Digital numeric display provides automatic direct translation to Bq/cm² for 14+ pre-programmed nuclides, natural and man-made
- Detachable radiation probe with up to 1.5 m / 4.9 ft of extendable cable
- Rotatable probe for internal surface measurements
- Audible response with adjustable alarm thresholds
- Can be used in all weathers

Markets

- Nuclear
- Oil and Gas
- First responders
- Military
- Life sciences

Accessories

- Robust weatherproof transit case
- Extension pole kit
- Protective leather holder
- Check source



Tracerco™ T401 specification

Performance			
Radiation detected	Alpha, beta and gamma. Automatic direct translation to Bq/cm ² for Cs-137, Am-241, C-14, Cl-36, Pb-210 (wet and dry), Ra-226 (wet and dry), Sr-90, Co-60, P-32, Pu-239, U-238	Over range response Peak radiation dose rate	Bar graph display will read full scale. Digital numeric display shows OUEr (over) above 4,000 cps
Detector	Single halogen thin window Geiger Muller tube		
Electrical characteristics			
Battery	Standard 9V PP3 battery	Low battery indication	On 4 hours battery life remaining variation with battery voltage: Less than 15% over operating temperature range
Battery life	100 hours typically with background radiation	Variation with battery voltage	Less than 15% over operating temperature range
Mechanical characteristics			
Case material	Robust, chemical resistant polymers	Weight	1 kilogram (approx.)
Count range	Bar graph display (0-1,000 cps) Digital numeric display in cps or Bq/cm ²		
Environmental			
Variation with temperature	Less than 2%	Humidity range	0 - 95%
Ingress protection rating	Main case is sealed to IP65 sensor head sealed to IP34	Standard compliance	EU directives: 2004/108/ EC Electromagnetic Compatibility Directive