

Product Data Sheet

# 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/cm<sup>2</sup> 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			
<b>Radiation detected</b>	Alpha, beta and gamma. Automatic direct translation to Bq/cm <sup>2</sup> 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	<b>Over range response</b> <b>Peak radiation dose rate</b>	Bar graph display will read full scale. Digital numeric display shows OUEr (over) above 4,000 cps
<b>Detector</b>	Single halogen thin window Geiger Muller tube		
Electrical characteristics			
<b>Battery</b>	Standard 9V PP3 battery	<b>Low battery indication</b>	On 4 hours battery life remaining variation with battery voltage: Less than 15% over operating temperature range
<b>Battery life</b>	100 hours typically with background radiation	<b>Variation with battery voltage</b>	Less than 15% over operating temperature range
Mechanical characteristics			
<b>Case material</b>	Robust, chemical resistant polymers	<b>Weight</b>	1 kilogram (approx.)
<b>Count range</b>	Bar graph display (0-1,000 cps) Digital numeric display in cps or Bq/cm <sup>2</sup>		
Environmental			
<b>Variation with temperature</b>	Less than 2%	<b>Humidity range</b>	0 - 95%
<b>Ingress protection rating</b>	Main case is sealed to IP65 sensor head sealed to IP34	<b>Standard compliance</b>	EU directives: 2004/108/ EC Electromagnetic Compatibility Directive