

# Tracerco™ T406

## X-ray and gamma ray measurement

The Tracerco™ T406 x-ray monitor is a lightweight and easy to use handheld radiation monitor, used to minimise any exposure to possible radiation leaks. With an audible response and adjustable alarm thresholds, it can be used to detect leaks and radiation scatters around x-ray machines and diagnostic imaging equipment.

### Benefits

- Robust water-resistant design
- Easy to clean and therefore more hygienic than traditional x-ray monitors
- Lightweight and easy to use
- Large clear display, making it easy to take readings as they happen
- Peak measurement facility for checking where a leak is at its worst



### Markets

- Security
- Medical
- Food processing

### Accessories

- Robust weatherproof transit case
- Extension pole kit



## Tracerco™ T406 specification

Performance			
<b>Radiation detected</b>	X-rays and gamma-rays in range of 17 keV to 1332 keV	<b>Over range response</b>	Bar graph display will read full scale. Digital numeric display will show 0UEr (over)
		<b>Accumulated dose range</b>	Digital numeric display 0–1,000 $\mu$ Sv 0–100 mrem
<b>Detector</b>	Single, thin window energy compensated Geiger Muller tube	<b>Peak radiation dose rate</b>	Digital numeric display 0–1,000 $\mu$ Sv/h 0–100 mrem/h
<b>Dose rate range</b>	Bar graph display 0–1,000 $\mu$ Sv/h Digital numeric display 0–1,000 $\mu$ Sv/h 0–100 mrem/h	<b>Measurement modes</b>	Can be supplied with either mrem/h or $\mu$ Sv/h display
Electrical characteristics			
<b>Battery</b>	Standard 9V PP3 battery	<b>Low battery indication</b>	On 4 hours battery life remaining
<b>Battery life</b>	100 hours typically with background radiation	<b>Variation with battery voltage</b>	Less than 2%
Mechanical characteristics			
<b>Case material</b>	Robust, chemical resistant polymers	<b>Weight</b>	600 grammes (approx)
Environmental			
<b>Variation with temperature</b>	Less than $\pm$ 5% over temperature range -10°C to 40°C (14°F to 104°F)	<b>Humidity range</b>	0 - 95%
<b>Ingress protection rating</b>	Rated IP65 (dust tight and will withstand water jets)	<b>Standard compliance</b>	EU Directives: 2004/108/EC Electromagnetic Compatibility Directive