

Product Data Sheet

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