

Product Datasheet

Tracerco™ T406

X-ray Radiation Monitor

The Tracerco™ T406 X-ray radiation monitors are suitable for those working in oil and gas, medical and life sciences, nuclear, CBRNe and emergency services, NDT, manufacturing and industrial, and environmental and waste management industries.

Unlike other monitors available on the market today, the Tracerco™ T406 X-ray monitor enables you to rapidly detect peak measurement, minimising your exposure to possible radiation leaks while surveying operations.



Tracerco

Providing Insight Onsite

Features

- Hygienic – smooth lines and easy-to-clean finish makes it ideal for use in areas where there is a risk of disease transmission through hand contact (such as food processing, airport security and hospital environments).
- Easy and safe to use – all our monitors are designed to be lightweight, easy to carry and can be operated remotely in the most demanding of environments.
- Audible response – with alarm set thresholds.

Specifications

Mechanical

Case Material	Robust, chemical resistant polymers
Weight	600 g approx.

Radiological Performance

Radiation Detected	X-rays and gamma rays in range 17 keV to 1332 keV
Detector	Single, thin window energy compensated Geiger Müller tube
Dose Rate Range	Bar graph display 0 to 100 mSv/h or 0 -10 Rem/h Digital numeric display 0 to 100 mSv/h or 0 -1000 Rem
Accumulated Dose Range	Digital numeric display 0–1000 µSv
Peak Radiation Dose Range	Digital numeric display 0–1000 µSv
Peak Radiation Dose Range	Digital numeric 0 to 100 mSv/h or 0 -10 Rem/h
Measurement	Can be supplied with either mRem/h or µSv/h display
Over Range Response	Bar graph display will read full scale Digital numeric display will show OUEr (OUEr)
Variation with Temperature	Less than ± 10% over temperature range -20°C to +50°C.
Dose Rate Linearity	± 16% over the range 2 µSv/h to 100 mSv/h

Battery

Battery	Standard 9V PP3 battery
Battery Life	100 hours typically with background radiation
Low Battery Indication	Displays at approximately 4 hours available life left (background radiation levels)
Variation with Battery Voltage	Less than 2%

Environmental

Variation with Temperature	Less than ± 5% over temperature range -10°C to 40°C (14°F to 104°F)
Humidity Range	Up to 95%
Ingress Protection Rating	Rated IP65 (dust tight and will withstand water jets)

Compliance

Standard Compliance	The monitor meets the following EU Directives: 2004/108/EC Electromagnetic Compatibility Directive
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Specifications are subject to change without notice.
For the most up-to-date specifications, please visit www.tracerco.com

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