

# Tracerco T406 X-Ray Monitor



The T406 X-Ray monitor provides the enhanced sensitivity and energy response necessary to measure radiation rate and dose from x-ray and gamma sources. Designed to measure leakage and scatter around diagnostic x-ray and radiation therapy suites, the T406 is very well-suited for a wide range of end users.

With its energy compensated GM tube, the T406 can be shipped and transported without the restrictions and limitations associated with pressurized ion chamber devices.

Eliminate the unknowns and identify potential leaks on your X-Ray machine with this lightweight, ergonomic and practical hand held monitor that is much easier to use and carry than other more traditional handheld instruments. Robust, reliable and user friendly make the T406 the ideal solution for X-ray monitoring applications.

## BENEFITS

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

<b>Radiation detected</b>	X-Rays and gamma rays in range of 17 keV to 1332 keV.
<b>Detector</b>	Single, thin window energy compensated Geiger Muller tube.
<b>Dose rate range</b>	Bar graph display 0-100 mRem/h (0-1000 µSv/h) Digital numeric display 0-100 mRem/h (0-1000 µSv/h)
<b>Accumulated dose range</b>	Digital numeric display 0-100 mRem (0-1000 µSv)
<b>Peak radiation dose range</b>	Digital numeric display 0-100 mRem/h (0-1000 µSv/h)
<b>Measurement</b>	Can be supplied with either mRem/h or µSv/h display.
<b>Over-range response</b>	Bar graph display will read full scale. Digital numeric display will show 0UEr (over).
<b>Case materials</b>	Robust, chemical resistant polymers.
<b>Variation with battery Voltage</b>	Less than 2%.
<b>Battery life</b>	100 hours typically with background radiation.
<b>Low battery indication</b>	On 4 hours available life left.
<b>Battery</b>	Standard 9V PP3 battery.
<b>Ingress protection rating</b>	Rated IP65 (dust tight and will withstand water jets).
<b>Humidity range</b>	0 to 95%.
<b>Weight</b>	1.3 lb (600 g)
<b>Variation with temperature</b>	Less than ± 5% over temperature range 14°F to 104°F (-10°C to 40°C)
<b>Standard compliance</b>	EU Directives: 2004/108/EC Electromagnetic Compatibility Directive.

