

# TRACERCO™ T402 and T402<sup>HR</sup>: Radiation Dose Rate Monitors



**Our dose rate monitors have been designed to be lightweight yet tough and to measure dose rate and peak exposure. A perfect design for hand held radiation monitoring.**

**New for 2014 - Extended range with the T402<sup>HR</sup>**  
**This monitor measures up to 100mSv/hr with the same ease of use and functionality as our popular T402.**

The benefits of using our monitor are:

- Reads and records peak measurement so you can measure radiation levels remotely
- Use in all weathers and shock proof
- Adjust your own alarms
- Lightweight, making it easy to carry and maneuver
- Easy to clean and decontaminate as it has a smooth design and is waterproof

There are some accessories available with the monitor:

- Robust weatherproof transit case
- Extension clamp kit
- Protective leather holder
- Safety signs and labels



## TRACERCO™ T402 and T402<sup>HR</sup> Radiation Monitor Specification

<b>Radiation detected:</b>	T402: X-rays and gamma rays in range 59 keV to 1332 keV. T402 <sup>HR</sup> : X-rays and gamma rays in range 33 keV to 1332 keV.
<b>Detector</b>	Single halogen, energy compensated Geiger Muller tube.
<b>Case material</b>	Robust, chemical resistant polymers.
<b>Dose rate range</b>	Bar graph display 0-1000 µSv/h T402: Digital numeric display 1-10,000 µSv/hr. USA version: 0-1,000 mRem/h. T402 <sup>HR</sup> : Digital numeric display 0-100 mSv/hr. USA version: 0-10,000 mRem/h.
<b>Accumulated dose range</b>	T402: Digital numeric display 0-10,000 µSv. USA version: Digital numeric display 0-1,000 mRem. T402 <sup>HR</sup> : Digital numeric display 0-100 mSv. USA version: Digital numeric display 0-10,000 mRem.
<b>Peak radiation dose rate</b>	T402: Digital numeric display 0-10,000 µSv/hr. USA version: Digital numeric display 0-1,000 mRem/h. T402 <sup>HR</sup> : Digital numeric display 0-100 mSv/hr. USA version: Digital numeric display 0-10,000 mRem/h.
<b>Sensitivity data</b>	T402: 1.7 cps per µSv/hr. T402 <sup>HR</sup> : 0.7 cps per µSv/hr.
<b>Variation with battery voltage</b>	Less than 1%.
<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>	500 grammes.
<b>Variation with temperature</b>	Less than 15% over operating temperature range.
<b>Standard compliance</b>	EU directives: 2004/108/EC Compatibility Directive.

### Applications:

- Oil and gas
- First responders
- Military
- Research laboratories
- Mining
- Nuclear power
- Medical
- Environmental agencies