

Tracerco T402 Radiation Dose Rate Monitor



ACCESSORIES

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

These **non-intrinsically safe dose rate monitors** provide an alternative to the **TRACERCO™ T202** radiation dose rate monitor. The instrument has been engineered for use in a wide variety of industrial applications where the presence of radioactive materials creates the potential for individual exposure and establishes a requirement for dose rate monitoring.

The **TRACERCO™ T402** Radiation Dose Rate Monitor has been specifically designed to be lightweight but robust and comfortable when used over extended periods in the field. It has fast response and excellent sensitivity and additional key operational features such as personal dose integration and peak dose rate memory.

The **TRACERCO™ T402^{HR}** Dose Rate Monitor has the same ease of use and functionality but features an extended range measuring up to 100mSv/hr, ideal for use in applications with high dose rates.

FEATURES

- T402 - fast response and sensitive to low dose rates
- T402^{HR} - extended range for high dose rates
- Integrated dose function - allows the instrument to be used as a personal dosimeter
- Peak dose rate memory - allows maximum exposure levels to be recorded
- Back lit display
- Audible response with adjustable alarm thresholds
- Ruggedized nylon 6/6 construction and modular integrated electronics provide an all-weather instrument with minimal servicing and maintenance costs



Tracerco T402

SPECIFICATION

Radiation detected	T402: X-Rays and gamma rays - 59 keV – 1332 keV T402 ^{HR} : X-Rays and gamma rays - 33 keV – 1332 keV
Detector	Single halogen, energy compensated Geiger Muller tube
Dose rate range	Bar graph display: 0 - 100 mR/h (0 to 1.0 mSv/h) T402: Digital numeric display: 0 – 1,000 mR/h (0 to 10.0 mSv/h) T402 ^{HR} : Digital numeric display: 0 – 10 R/h (0 to 100.0 mSv/h)
Accumulated dose range	T402: Digital numeric display: 0 – 1,000 mR (0 to 10.0 mSv) T402 ^{HR} : Digital numeric display: 0 – 10 R (0 to 100.0 mSv)
Peak radiation dose rate	T402: Digital numeric display: 0 – 1,000 mR/h (0 to 10.0 mSv/h) T402 ^{HR} : Digital numeric display: 0 – 10 R/h (0 to 100.0 mSv/h)
Case material	Robust, chemical resistant polymers
Sensitivity Data	T402: 1.7 cps per uS/Hr, T402 ^{HR} : 0.7 cps per uS/Hr
Variation with battery voltage	Less than 1%
Battery	Standard 9V PP# battery
Battery life	100 hours typical in background radiation
Low battery indication	<4 hours available life remaining
Ingress protection rating	IP65
Humidity range	0-95%
Weight	1.15 lb (500 g)
Variation with temperature	<10%
Standard compliance	EU directives: 2004/108/EC Compatibility Directive

