

Tracerco T202

Intrinsically Safe Radiation Dose Rate Monitor



Kit Includes

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

The **TRACERCO™ T202 Radiation Dose Rate Monitor** has been specifically designed to combine intrinsic safety with ruggedized but lightweight construction and provides additional key operational features such as personal dose integration and peak dose rate.

Radioactive materials are employed routinely in industry to facilitate a wide range of measurements including Process Level Control, Fluid Separation and Non-Destructive Testing. In order to protect the workforce from exposure and to ensure compliance with relevant legislation, radiation dose rates must be carefully monitored and controlled.

FEATURES

- Intrinsic safety for use in potentially explosive environments including zones 0, 1 and 2 hazardous areas - eliminates the need for a specific hot work permit.
- Detects x-rays and gamma rays down to 60keV.
- Digital bar graph display: 0.1 - 1000 μ Sv/h.
- Digital dose rate indication: 0-10,000 μ Sv/h.
- Displays down to 0.1 μ Sv/h.
- Integrated dose function - allows the instrument to be used as a personal dosimeter.
- Peak dose rate memory - allows maximum exposure levels to be recorded remotely enabling operators to minimize their dose uptake.
- Displays calibration due date.
- Back light facility.
- Audible response with adjustable alarm thresholds.
- Ruggedized nylon 6/6 construction provides an all-weather instrument.



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SPECIFICATION

Radiation detected	X-Rays and gamma rays - 59 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) Digital numeric display: 0 – 1,000 mR/h (0 to 10.0 mSv/h)
Accumulated dose range	Digital numeric display: 0 – 1,000 mR (0 to 10.0 mSv)
Peak radiation dose rate	Digital numeric display: 0 – 1,000 mR/h (0 to 10.0 mSv/h)
Case material	Static dissipative nylon body with ABS window
Hazardous area certification code	Ex ia IIC T4 (-20°C ≤ Ta ≤ +40°C) Ga, ATEX code 11 1G. Suitable for hazardous area zones 0,1 and 2
Weight	1.15 lb (500 g)
Battery	Alkaline Manganese, MN1604 or MXI604
Battery life	100 hours typical in background radiation
Low battery indication	<4 hours available life remaining
Variation with temperature	<10%
Humidity range	0-95%
Ingress protection rating	IP65
Standard compliance	The monitoring kit meets the following EU directives: 2004/108/EC Electromagnetic Compatibility Directive; 94/9/EC ATEX Directive

