

Tracerco T401 Contamination Monitor



ACCESSORIES

- Robust weatherproof transit case
- Extension clamp kit
- Protective leather holder
- Sr90 test source
- Safety signs and labels

The **T401 Contamination Monitors** are non-intrinsically safe contamination instruments, which stand out by combining high-level functionality with environmental tolerance to provide highly cost-effective technology where intrinsic safety is not a consideration.

Part of the TRACERCO collection of **radiation monitors**, the T401 Contamination Monitors are particularly suited to the detection of radioactive contamination which can arise in a variety of industries where man-made or naturally occurring isotopes are processed. This includes in the nuclear power, land remediation, research and development and medicine fields

All of the TRACERCO™ T401 Contamination monitors have been designed to meet the challenge of combining operational reliability with excellent sensitivity. There also offer a number of additional key features, such as a direct surface ability mode and peak reading to simply make life easier for the worker.

FEATURES

- Excellent sensitivity for the detection of alpha / beta radiation
- Dual bar graph meter display: 0-1000cps.
- Digital numeric display provides automatic direct translation to Bq/cm² for 14+ pre-programmed nuclides (natural and man-made).
- Detachable radiation probe with up to 1.5 meters of extendable cable.
- Optional extension arm attachment for surveying contaminated pipework, drains, laboratory floors etc.
- Probe stepwise rotatable through 90° for internal surface measurements.
- Backlight facility.
- 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 T401

SPECIFICATION

Radiation detected	Alpha/Beta/Gamma; automatic direct translation to Bq/cm ² for Cs-137, Am-241, C-14, Cl-36, Pb-210 (wet and dry), Ra-226 (wet and dry), Sr-90, Co-60, P-32, Pu-239, U-238
Detector	Single halogen, thin window Geiger Muller tube
Case material	Robust, chemical resistant polymers
Display	Bar graph display (0-1000 CPS), Digital numeric display in CPS or Bq/cm ²
Over-range response	Bar graph display will read full scale Digital numeric display shows OVER (over) above 4,000 CPS
Variation with battery voltage	Less than 2%
Battery	Alkaline Manganese MN1604 or MX1604
Battery life	100 hours typically with background radiation
Low battery indication	<4 hours available life remaining
Ingress protection rating	Main case sealed to IP65, sensor head sealed to IP34
Humidity range	0-95%
Weight	2.2 lb (1 Kg approx)
Variation with temperature	<15% over operating temperature range
Standard compliance	EU directives: 2004/108/EC Electromagnetic Compatibility Directive

