TRACERCO™ NORM Monitor-IS

An intrinsically safe, weatherproof monitor with dual probe capability - the ultimate tool for obtaining accurate NORM Measurements in hazardous areas or difficult conditions.

The TRACERCO™ NORM Monitor-IS allows users to monitor wet and dry NORM in a variety of situations. Its unique, intrinsically safe design incorporates different probe options to make it the optimum measurement tool.

Key product benefits include:

- Intrinsically safe
- Easy to clean and decontaminate
- Rugged, shock proof casing for use in all weather conditions
- Digital display and live background subtraction
- Multiple measurement modes.
- Bq/cm^2 output for NORM Isotopes
- Adjustable alarm thresholds

The NORM Monitor-IS Handset is available to purchase with a Scintillator Probe, a GM Probe, or Dual Probes as the NORM Monitor Kit.

NORM Monitor-IS KIT - Handset with dual interchangeable probes, supplied in a transit case complete with carrying harness

NORM Monitor-IS GM - configured for one-handed operation with removable GM Probe (replacement for the award winning Tracerco T201 Contamination Monitor)

NORM Monitor-IS SCINT - Handset and Scintillator Probe supplied in a transit case complete with carrying harness

Both probes have built in calibration data, so they can also be purchased separately and calibrated without the handset.

Scintillator Probe

- Robust and suitable for use in challenging conditions
- The ability to undertake surveys of external walls for internal deposits of NORM*
- The ability to measure NORM in low diameter tubular internals (360 degree response)

GM Probe

- Perfect for alpha and beta measurement
- High sensitivity to Lead-210 NORM
- Rotating Probe head for surface measurements

* Subject to wall thickness of pipe

Monitors & Servicing

TRACERCO™ NORM Monitor-IS specification:

Radiation detected	Scintillator: gamma, high energy beta GM: alpha, beta with some gamma response
Measurement modes	Scintillator: CPS, μSv/h GM: CPS, Bq/cm^2 All modes have background subtraction option CPM and μR/h option available for USA
Dose rate range (scintillator probe)	0.000 to 50μSv/h (Cs137 only) (0.0 - 5000 μR/h)
Count range	Scintillator: 0 - 150,000 cps (1 million cpm) GM : 0.00 to 4000 cps (240,000cpm)
Over-range response	Bar graph display will read full scale. Digital numeric display will read "0UEr"
Integrate period	Auto = 60 seconds or 1000 counts. User defined = 5 - 600 seconds
Scintillator detector	NaI crystal in metal/polymer enclosure
GM detector	Single halogen thin window detector in static dissipative nylon housing
Handset material	Static dissipative nylon
Weight	Handset: 500g Scintillator: 700g GM: 435g
Battery	Alkaline Manganese MN1604 or MX1604
Battery life	Scintillator:85 hours typical GM: 190 hours typical
Low battery indication	<10 hours available life remaining
Variation with battery voltage	+/-2%
Working temperature range	-20 to +50°C
Variation with temperature	<10%
Humidity range	0 - 95%
Ingress protection rating	Scintillator: IP67 GM: IP34 Handset: IP65
Standard compliance	EU directives: 2004/108/EC Electromagnetic Compatibility Directive; 94/9/EC ATEX Directive CSA C22.2; CAN / CSA / UL 60079-0; CAN / CSA / UL 60079-11; UL 913 7th Edition
Hazardous area certification code	II 1G Ex ia IIC T4 Ga (-20°C ≤ Ta ≤ +50°C) Intrinsically safe equipment suitable for hazardous area zones 0,1 and 2 Class 1, Div 1, Groups A, B, C, D; Temp code T4 Class 1, Zone 0, Ex/Axia, IIC, T4
Certificate Nos: ATEX, IECEx CSA	12ATEX0209X IECExBAS12.0114X

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