MIRION TECHNOLOGIES

Radiation. **Safety.**

Telepole II

Telescoping Gamma Survey Meter

Nuclear Power

Homeland Security & Defense

Industrial and Manufacturing

Healthcare

Labs and Education

OVERVIEW

The Telepole II is a wide range telescopic survey meter with a measuring range of between 0.05 mR/h to 1000 R/h. It features the same length pole as it's predecessor, reaching 11 feet when fully extended. Combined with an integrated LED light in the detector head, the Telepole II makes it easier than ever to survey components in dark or dimly lit areas.

Capable of working as a stand alone instrument, or being integrated into a telemetry system using the onboard WRM2 radio, the Telepole II is a valuable radiation survey tool for nuclear facilities or other location with out-of-reach radiological concerns.

KEY FEATURES

- Color coded display featuring large easy to read digits
- Simultaneous display of external and internal detectors
- Simple multi- layered menu for quick selection of command
- WRM2 communication
- Integrated BT alarm communication:
  - -Vibrating Bracelet
  - -Earphone
- Aluminum 11' Pole with quarter turn positive locking mechanism
- Built in LED for dark areas being surveyed
- Interchangeable "smart" detector capabilities
- Long battery life (85 hours)
- IP-65 rated meter

Health Physics Division

EXTERNAL DETECTOR RADIOLOGICAL CHARACTERISTICS

	Gamma Wide Range (WR)
Radiation Measured:	Gamma, X-Rays
Detector:	ZP-1201 and ZP1301 or equivalent
Dose Rate Range:	0.01 uSv/h to 10 Sv/h (0.001 mR/h to 1,000 R/h)
Dose Range:	0.01 uSv to 10 Sv (0.001 mR to 1,000 R)
Sensitivity:	0.3 cps/mR/h / 17 cps/mR/h
Energy Range:	65 keV to 2 MeV
Protection:	IP-67 rated

	Gamma Very High Range (VHR)
Radiation Measured:	Gamma, X-Rays
Detector:	4G50M and ZP1201 or equivalent
Dose Rate Range:	0.01 uSv/h to 100 Sv/h (0.01 mR/h to 10,000 R/h)
Dose Range:	0.01 uSv to 100 Sv (0.01 mR to 10,000 R)
Sensitivity:	60 cps/R/h / 17 cps/mR/h
Energy Range:	65 keV to 1.3 MeV
Protection:	IP-67 rated includes LED on the tip to help survey dark areas

FUTURE EXTERNAL DETECTOR OPTIONS

Gamma & Beta Wide Range

Gamma, X-Rays and Beta
ZP-1400 and ZP1301 or equivalent
0.01 uSv/h to 10 Sv/h (0.01 mR/h to 1,000 R/h)
0.01 uSv to 10 Sv (0.01 mR to 1,000 R)
0.3 cps/R/h / 17 cps/mR/h
65 keV to 1.3 MeV
IP-67 with protective cap attached

Gamma Highly Sensitive (XDS)

Gamma, X-Rays
CsI(Tl) crystal with Silicon Photomultiplier
Background to 500 uSv/h
0.01 uSv to 500 uSv
≤110 cps/uSv/h
50KeV to 1.7MeV
IP-67 rated

METER RADIOLOGICAL CHARACTERISTICS

- Detector: Energy Compensated GM tube (ZP-1201 or equivalent)
- Measuring range: 0.1 uSv/h to 10 mSv/h (10 uR/h to 1.5 R/h)
- Accuracy: ± 10 % of reading, within the measuring range
- Energy range: 50 KeV – 2 MeV
- Energy response: Better than 25% for whole energy range
- Sensitivity (^{137}Cs): 18 cps/mR/h

MECHANCIAL CHARACTERISTICS

- Pole Length:
  - -Collapsed: 120 cm (3'11")
  - -Extended: 335 cm (11')
- Weight: 1.95 Kg's (4.3 lbs)
- Display: Color TFT Display
- Threshold Alarms: User selectable for dose rate and accumulated dose
- Housing: Ruggedized Plastic, IP-65

ELECTRICAL CHARACTERISTICS

- Power supply: four 1.5 Volt AA-type alkaline cells
- Battery Life: 85 hours continuous operation (Four 1.5 Volt AA-type alkaline cells)

ENVIRONMENTAL CHARACTERISTICS

- Operating Temperature: -20°C to + 50°C (-4°F to 122°F)
- Humidity: Up to 95% at 35°C (95°F)

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