

Catalogue

TELETECTOR
MODEL: GM -10

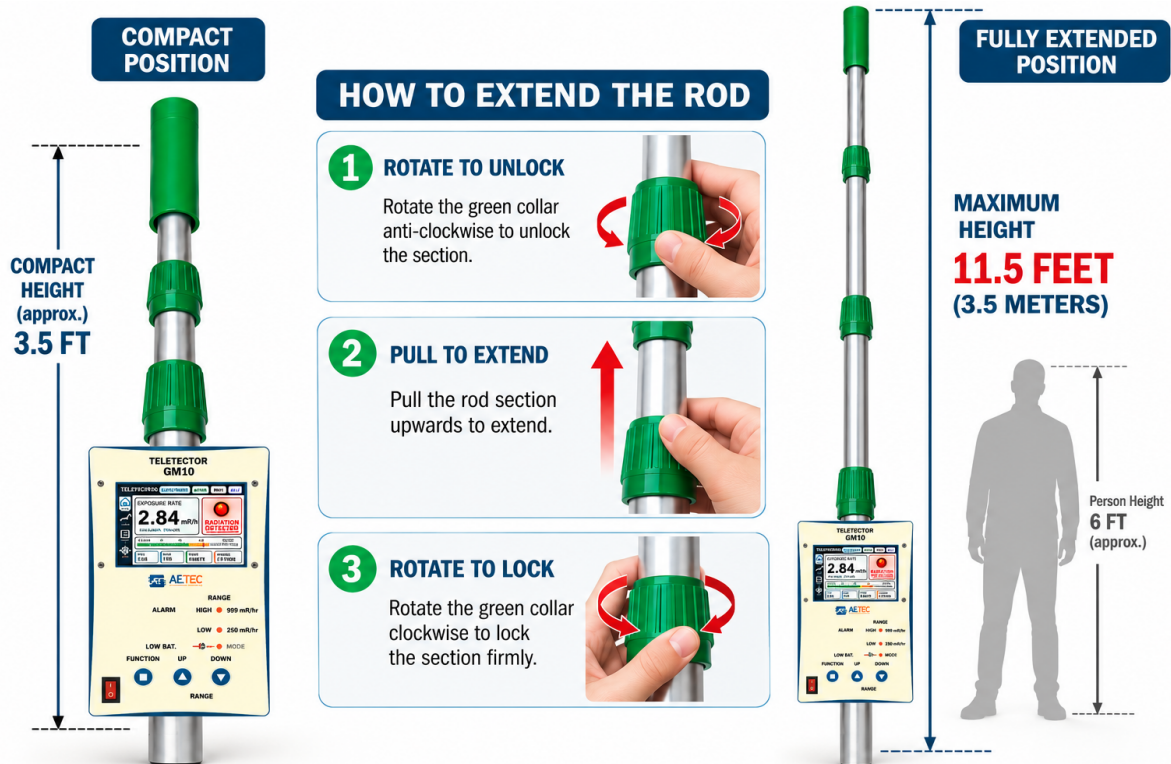
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TELETECTOR



* Product image is for reference only. Actual product design and appearance may vary.

PRODUCT OVERVIEW

The Teletector is a portable telescopic radiation survey instrument designed for safe and reliable detection of Beta (β), Gamma (γ), and X-Ray radiation. It incorporates dual GM detectors positioned near the end of the telescopic probe for remote radiation measurement. The instrument provides a wide dose-rate measurement range from 0.1 mR/h to 999 R/h (1 μ Sv/h to 9.99 Sv/h) or better. Its rigid telescopic arm extends up to 310 cm minimum, allowing radiation measurements to be performed from a safer distance. The Teletector offers a fast response time of ≤ 5 seconds at specified dose rates and covers an energy range of 65 keV to 1.3 MeV. The display is designed for clear visibility in both sunlight and dark conditions. With long battery operation, low-battery indication and IP54 or better protection, the instrument is suitable for field radiation monitoring applications. Its portable construction and dedicated carrying accessories support convenient deployment, operation and transportation..

TECHNICAL SPECIFICATIONS

Portable telescopic radiation survey instrument for remote measurement of Beta, Gamma and X-Ray radiation across a wide dose-rate range.

RADIATION DETECTION & MEASUREMENT

Feature / Parameter	Technical Specification
Radiation Detected	Beta (β), Gamma (γ) and X-Ray Radiation
Detector System	2 Nos. of GM Detectors; detectors housed near the end of the telescopic probe and protected against mechanical damage
Dose Rate Measurement Range	Digital / Analog: 0.1 mR/h to 999 R/h (1 μ Sv/h to 9.99 Sv/h) or better
Over-Range Indication	For at least double the instrument range

TELESCOPIC PROBE & MECHANICAL

Feature / Parameter	Technical Specification
Probe Configuration	Telescopic arm with GM tube (detectors/probe) mounted at the end of the telescopic arm
Extended Length	Greater than 310 mm
Mechanical Rigidity	Telescopic arm remains rigid even when fully extended
Retracted Length	Less than 150 cm
Weight	Up to 3.5 kg

PERFORMANCE

Feature / Parameter	Technical Specification
Response Time	≤ 5 seconds for dose rates above 10 mR/h (100 μ Sv/h)
Energy Response	65 keV to 1.3 MeV; less than 65 keV and more than 1.3 MeV also accepted
Linearity	Within $\pm 15\%$ above 1 μ Sv/h (0.1 mR/h) with Co-60 or Cs-137 source
Energy Response Accuracy	Within $\pm 30\%$ over the specified energy range (with respect to Cs-137 or Co-60 response)

TECHNICAL SPECIFICATIONS

PERFORMANCE

Feature / Parameter	Technical Specification
Response Time	≤5 seconds for dose rates above 10 mR/h (100 μSv/h)
Energy Response	65 keV to 1.3 MeV; less than 65 keV and more than 1.3 MeV also accepted
Linearity	Within ±15% above 1 μSv/h (0.1 mR/h) with Co-60 or Cs-137 source
Energy Response Accuracy	Within ±30% over the specified energy range (with respect to Cs-137 or Co-60 response)

DISPLAY & POWER

Feature / Parameter	Technical Specification
Display	Digital or Analogue Display; readable in sunlight and dark
Battery	Standard Commercial Battery
Continuous Operation	More than 20 hours
Low Battery Indication	Available

ENVIRONMENTAL

Feature / Parameter	Technical Specification
Operating Temperature	-20°C to +50°C
Relative Humidity	Up to 90%
Protection	IP54 or better

TECHNICAL SPECIFICATIONS

ACCESSORIES

Feature / Parameter	Technical Specification
Standard Accessories	Shoulder carrying strap for Telescopic Arm; Probe cover; Carry Case; Quick reference card; Manual of the Equipment
Optional Accessory	PVC Sleeve (Provided)

CALIBRATION, WARRANTY & SUPPORT

Feature / Parameter	Technical Specification
Calibration Certificate	Calibration certificate from an accredited agency shall be supplied
Warranty	01 Year or more
Spare & Service Support	Assured supply of Spare and maintenance for ten years