

NEW

# Wide Range **TelePole** (W.R.) $0.5\mu\text{Sv/h}$ to $10\text{Sv/h}$

**GM Meter on an Extendible Pole**  
micro-processor based, SMARTS  
compatible, wide range meter

## Description

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The **TelePole** is a gamma meter, mounted on a telescopic pole, designed to obtain readings in a wide range of fields. Measurements are performed by two GM tubes located at the pole's end or by an internal detector. The four-segment sturdy pole extends to eleven feet long and collapses to three and a half feet.

The **TelePole** is used as a stand-alone instrument, or integrated into systems, using existing equipment and software.

The **TelePole** includes a built-in data memory, data downloading capability, and optional laser bar-code scanner, for use with the SMARTS survey mapping system.

## Features

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- Wide measuring range
- Rugged
- Light-weight
- Low cost, instrument and spare parts
- Communication capability
- Alarm thresholds
- "DigiLog" - combined digital and analog display
- Display back-light
- Optional internal detector
- External DC supply connection
- External headphone connection
-  marked.

## Applications

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- Supports ALARA principles by allowing operators to obtain readings as much as eleven feet away from high radiation fields.
- Survey instrument, either with simple data storage, or SMARTS compatible.
- Real-time dose rate monitoring by connection to MGPI WRM transmitter system.
- Readings of hard-to-reach areas (i.e. vehicle surveys, elevated piping, etc.).



## Technical Data

<b>Remote detector</b>		GM tube ZP-1301 + ZP1201 (or equivalent)
<b>Internal detector (optional)</b>		GM tube ZP-1201 (or equivalent)
<b>Measuring range</b>	<b>Remote detector</b>	0.05 mR/h to 1000R/h (0.5 $\mu$ Sv/h to 10 Sv/h)
	<b>Internal detector</b>	0.05 mR/h to 1000 mR/h (0.5 $\mu$ Sv/h to 10 mSv/h)
<b>Accuracy</b>		$\pm 10$ % of reading, within the measuring range
<b>Energy response</b>		$\pm 20$ % at 70 keV to 2 MeV related to $^{137}\text{Cs}$
<b>Sensitivity (<math>^{137}\text{Cs}</math>)</b>	<b>Remote detector</b>	Approx. 0.3 cps/mR/h (low range) 17 cps/mR/h (high range)
	<b>Internal detector</b>	Approx. 17 cps/mR/h
<b>Data logging</b>		380 data records (1550 with extended memory)
<b>Display</b>		DigiLog (3 digits and 2 decades of analog bargraph)
<b>Power source</b>		Two 1.5 Volt C-type alkaline cells, 70 hours of continuous operation (30% less if back light is kept on continuously)
<b>Temperature range</b>		Operation: $-10^{\circ}\text{C}$ to $+50^{\circ}\text{C}$ ( $15^{\circ}\text{F}$ to $122^{\circ}\text{F}$ ) Storage: $-20^{\circ}\text{C}$ to $+60^{\circ}\text{C}$ ( $-5^{\circ}\text{F}$ to $140^{\circ}\text{F}$ )
<b>Humidity range</b>		10% to 95% RH (non condensing)
<b>Casing</b>		Black anodized aluminum
<b>Dimensions</b>		Width: 93 mm (3.7") Length: 148 mm (5.8") Height: 56 mm (2.2") Length: 226 mm (8.9") Diameter: 33 mm (1.3") Extended: Up to 337 cm (11 ft) Collapsed: Down to 107 cm (3.5 ft)
	<b>Meter</b>	680 gr (1.5 lbs) 175 gr (0.39 lbs)
	<b>Probe head</b>	1200 gr (2.7 lbs)
	<b>Pole length</b>	2055 gr (7.29 lbs)
<b>Weight</b>	<b>Meter</b>	
	<b>Probe</b>	
	<b>Pole</b>	
<b>Meter probe connection</b>	<b>Total</b>	Standard phone cable
<b>Ordering #</b>		
TelePole WR with internal detector		4-0027-35
TelePole WR without internal detector		4-0027-30
Meter WR with internal detector		4-0027-33
Meter WR without internal detector		4-0027-31
Probe WR		4-0027-32
Pole		4-0027-13

ROTEM INDUSTRIES reserves the right to change specifications without advance notice



Further enquiries are encouraged. Please write to the address below, or call direct:

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