

## TelePole II Telescoping Survey Meter

The TelePole II is a wide range telescopic survey meter with a measuring range of between 0.01 mR/h to 1000 R/h capable of supporting a wide variety of external detectors.

The Telepole II can be used as a stand-alone instrument, or integrated into systems, using existing equipment and software. The TelePole II features built-in data memory, data downloading capability, and an optional integrated transmitter for remote transmission of survey data.

The Pole length has been improved to extend to 4 meters (13') and features a quarter lock positive mechanism.

The external detector, which contains two GM tubes also includes an external LED to light up and focus the area being surveyed.

The Control Box can be used as a stand-alone portable survey meter with a color display providing visual input in regard to the measured radiation levels.

### FEATURES

- Gamma Beta Detector available (ZP 1400 AND ZP 1300)
- Color coded display featuring large easy to read digits
- Tilted Display to facilitate difficult readings available
- Simultaneous display of external and internal detectors.
- Simple multi- layered menu for quick selection of command
- Integrated WRM<sup>2</sup> communication
- Integrated BT communication: Alarms (Bracelet)  
Reach back  
Earphone
- Anodized Aluminum 13' Pole with ¼ turn positive locking mechanism
- Built in LED to light up dark areas being surveyed
- Interchangeable "smart" detector capabilities
- Long battery life (100 hours)
- IP-67 rated instrument



## Technical Specifications

### Meter

<b>Detector:</b>	Energy Compensated GM tube (ZP-1201 or equivalent)
<b>Measuring Range:</b>	0.1 uSv/h to 10 mSv/h (10 uR/h to 1 R/h)
<b>Accuracy:</b>	± 10% of reading, within the measuring range
<b>Energy Range:</b>	50 KeV – 2 MeV
<b>Energy Response:</b>	Better than 20% for whole energy range
<b>Sensitivity (<sup>137</sup>Cs):</b>	18 cps/mR/h
<b>Display:</b>	Color TFT Display
<b>Threshold Alarms:</b>	User selectable for dose rate and accumulated dose
<b>Battery Life:</b>	100 hours continuous operation (Four 1.5 Volt C-type alkaline cells)
<b>Housing:</b>	Ruggedized Plastic, IP-67
<b>Operating temperature:</b>	-20°C to + 50°C
<b>Humidity:</b>	Up to 93% at 35 °C
<b>Pole Length:</b>	Collapsed : 120 cm (3' 11") Extended: 400 cm (13')
<b>Weight:</b>	1.95 Kg's (4.3 lbs)

### Telescopic Probe

<b>Detectors:</b>	The TelePole II supports a number of detectors, see next page
<b>Telescopic Pole:</b>	Available in a number of lengths Anodized Aluminum, quarter turn positive locking
<b>Meter Bracket:</b>	Ruggedized Bracket allowing for quick release of Meter
<b>Carrying Strap:</b>	included

**Ordering Information:** BAK-2282 (without internal detector)  
BAK-2283 (with internal detector)

ROTEM INDUSTRIES reserves the right to change specifications without advance notice

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## External Detectors

All the detectors mentioned above include the calibration factor and communication to the Meter is via USB:

- Detectors may be switched and swapped instantly
- Detectors may be connected independently via standard USB cable to a Computer
- Meter will automatically identify the detector
- All specifications are according to  $^{137}\text{Cs}$



### Gamma Wide Range

<b>Radiation Measured:</b>	Gamma, X-Rays
<b>Detector:</b>	ZP-1201 and ZP1301 or equivalent
<b>Dose Rate Range:</b>	0.01 $\mu\text{Sv/h}$ to 10 Sv/h (0.01 mR/h to 1,000 R/h)
<b>Dose Range:</b>	0.01 $\mu\text{Sv}$ to 10 Sv (0.01 mR to 1,000 R)
<b>Sensitivity:</b>	0.3 cps/mR/h / 17 cps/mR/h
<b>Energy Range:</b>	65 keV to 1.3 MeV
<b>Protection:</b>	IP-67 rated

Includes LED on the tip to survey dark areas



### Gamma & Beta Wide Range

<b>Radiation Measured:</b>	Gamma, X-Rays and Beta
<b>Detector:</b>	ZP-1400 and ZP1301 or equivalent
<b>Dose Rate Range:</b>	0.01 $\mu\text{Sv/h}$ to 10 Sv/h (0.01 mR/h to 1,000 R/h)
<b>Dose Range:</b>	0.01 $\mu\text{Sv}$ to 10 Sv (0.01 mR to 1,000 R)
<b>Sensitivity:</b>	0.3 cps/mR/h / 17 cps/mR/h
<b>Energy Range:</b>	65 keV to 1.3 MeV
<b>Protection:</b>	IP-67 with protective cap attached



### Gamma Very Wide Range

<b>Radiation Measured:</b>	Gamma, X-Rays
<b>Detector:</b>	4G60M and ZP1201 or equivalent
<b>Dose Rate Range:</b>	0.01 $\mu\text{Sv/h}$ to 100 Sv/h (0.01 mR/h to 10,000 R/h)
<b>Dose Range:</b>	0.01 $\mu\text{Sv}$ to 100 Sv (0.01 mR to 10,000 R)
<b>Sensitivity:</b>	60 cps/R/h / 17 cps/mR/h
<b>Energy Range:</b>	65 keV to 1.3 MeV
<b>Protection:</b>	IP-67 rated

Includes LED on the tip to help survey dark area



### Gamma Highly Sensitive

<b>Radiation Measured:</b>	Gamma, X-Rays
<b>Detector:</b>	CsI(Tl) crystal with Silicon Photomultiplier
<b>Dose Rate Range:</b>	Background to 500 $\mu\text{Sv/h}$
<b>Dose Range:</b>	0.01 $\mu\text{Sv}$ to 500 $\mu\text{Sv}$
<b>Sensitivity:</b>	$\leq 110$ cps/ $\mu\text{Sv/h}$
<b>Energy Range:</b>	50 keV to 1.7 MeV
<b>Protection:</b>	IP-67 rated

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