# LINE AND LEVEL LASERBEAM MEASURING SYSTEM

opal

**OPAL MINI** 

Advanced and accurate equipment measuring horizontal and vertical versine



Precise measurement with perfect horizontality Lightweight and easy to set-up Easy transportation

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## LINE AND LEVEL LASERBEAM MEASURING SYSTEM

**OPAL MINI** 

### **Your benefits**

- A very compact device for a modern method to measure track level and line to aid track measurement and hand tamping operations
- Steady and accurate multi-purpose fixation device (flat bottom rail, grooved rails, switch and crossing...)
- Robust, lightweight, the operator can fit the unit to the rail in seconds
- $^{\circ}\,$  Easy to handle, stored in a dedicated protective case

Specifications	
Target sizes	+/- 30 (H); +/- 90 mm (V) +/- 1.2 (H); +/- 3.5 in. (V)
	+/- 200 (H); +/- 90 mm (V) +/- 7.9 (H); +/- 3.5 in. (V)
Measurements	Horizontal and vertical versine (mid-chord offset)
Autonomy	100 hours
Operating temperature	-10 °C to +50°C (14 °F to 122 °F)
Laser Source Mass	2 kg (4 lbs)
Laser Target Mass	1 kg (2 lbs)



#### **Technological advantages**

- Powerful laser allowing a 30 m (98 ft) measurement
- Spirit level indicators mounted on both modules assist allow a perfect horizontal setting before work
- Measurement is independent from the inclination of the rail ensuring accurate values
- Long life rechargeable batteries supplied with battery charger
- Exists in two versions to accommodate every needs:
  - Standard: measures horizontal and vertical Versine
  - MSP: measures vertical Versine

### Options

- PDA with multi-purpose software for computation of local values of track radius of curvatures
- $^{\circ}\,$  Less powerful laser for night and tunnel operation
- Laser glasses at long distances
- Measuring tape
- Alternate target plates





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