

# *mephisto*

LASER SURVEY RECORDER

*Advanced equipment  
for track measuring and control*



*Precise track positional measurement*

*Intuitive control*

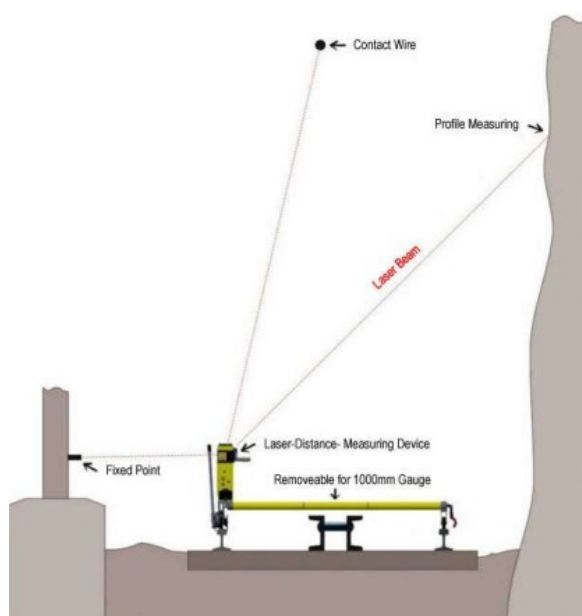
*Easy transportation and assembly*

**GEIMS**   
GEISMAR ELECTRONIC MEASURING SYSTEMS

 **GEISMAR**®

### Your benefits

- Precise track positional measurement taking reference from marker posts or fixed infrastructure to calculate track line and level
- Polyvalent measurement of structure gauge and critical points of infrastructure (bridges, tunnels, noise barrier...)
- Clear OHL position measurement (height/offset) with a swivelling laser fitted with an accurate adjuster
- Intuitive operation controlled by the ergonomic wired remote keypad
- Light and easily assembled elements that are stored and transported in its customized transit case



### Technological advantages

- Most advanced measuring and calculation Laser Technologies
- Easy programming through user-friendly interface
- Wide measuring range up to 10 m (33 ft) with 300° angle
- Millimetric accuracy
- Convenient measurement GPS localization
- Reliable rollers insulation
- Measurement on turnouts
- User friendly sound assistance to target easily the contact wire

### Laser recorder specifications

Displayed measurements	<ul style="list-style-type: none"> <li>• Position of track (fixed point, low point)</li> <li>• Track structure gauge</li> <li>• Infringements to track structure gauge</li> <li>• Position of reception areas (platform edges, walls)</li> <li>• Bridges curvature</li> <li>• OHL position</li> <li>• Position of the edge of platforms</li> <li>• Distance between tracks</li> </ul>
Track gauge	From 1,000 to 1,435 mm *
Charging time	8 h maximum
Autonomy	> 300 cycles of measurement
Operating temperature	14 to 122 °F (-10 to +50 °C)
Mass	< 29 lbs (13 kg)
Dimensions (L x W x H)	19 x 59 x 22 in. (490 x 1,500 x 560 mm)

\* Other track gauges on request

### Options

- Module for low measurements and software
- Software for TopoRail systems (RG files)
- Additional measurement modes (SBB, SNCF, PALAS UK)