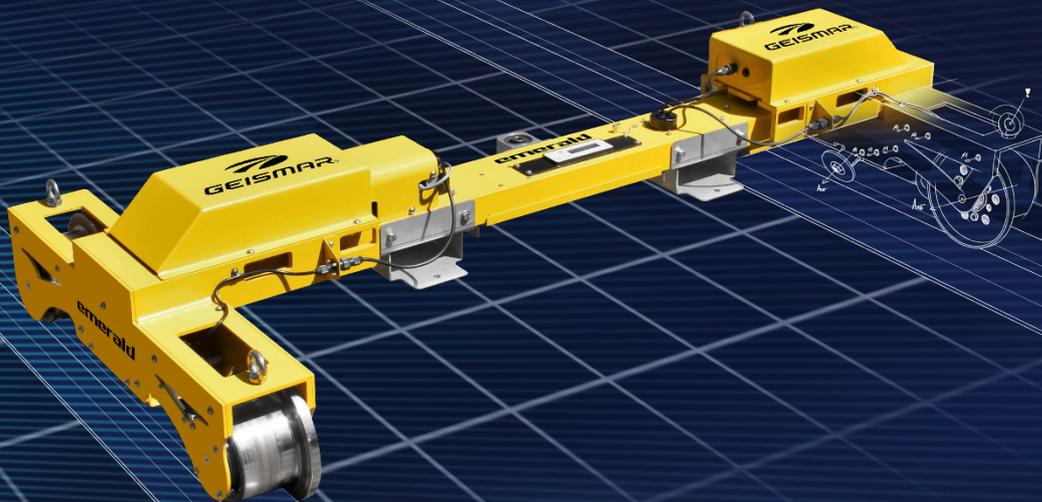


# **emerald**

TOWED TRACK RECORDING UNIT

*Combining the latest measurement technologies  
with the flexibility of a road-rail vehicle*



*Speedy process and accurate measurement  
Ergonomically designed for simple and ease of use  
Road-rail vehicle mounted*

**GEMS**   
GEISMAR ELECTRONIC MEASURING SYSTEMS

 **GEISMAR**®

### Your benefits

- Real time processing of data for exceedance reporting on all values
- Simple and easy to use thanks to an intuitive and clear tablet screen
- Accurate and reliable measurements at speeds up to 12.5 mph (20 km/h)
- Minimized intervention time with road-rail vehicle
- High memory capacity to work over long distances

### Specifications

Display	7 inches, IP67 1,280 x 720 touch screen	
Measuring points memory capacity	Approximately 4,000 km (2,485 mi) / Gb (at 8 samples/m)	
Measures	<ul style="list-style-type: none"> <li>○ Track gauge</li> <li>○ Cross-level</li> <li>○ Twist</li> <li>○ Warp</li> <li>○ Left &amp; right alignment (horizontal versine)</li> </ul>	<ul style="list-style-type: none"> <li>○ Overlapping versine</li> <li>○ Speed</li> <li>○ Acceleration</li> <li>○ Distance travelled</li> <li>○ GPS</li> </ul>
Autonomy	8 h	
Languages	English, French, Spanish, Italian, German *	
Operating temperature	23 °F to 113 °F (-5 °C to +45 °C)	
Gauge	56 in. (1,435 mm)*	



**Points out of tolerance or not**

\* others on request

### Technological advantages

- Controlled by an Android based tablet which includes a GPS function enabling the collected data to be linked to a physical location
- Bluetooth antenna and magnetic base with 9.8 ft (3-meter) cable to be located in an optimum position on the towing vehicle
- Spring mechanism to keep the Emerald continuously in contact with both rails
- High brightness TFT display for reading in all circumstances
- Real-time audible and visual alerts to indicate that measurements exceed a tolerance threshold
- Can be remotely retracted (via the tablet) to a set known back-to-back wheel position to aid navigating some of the larger switches found on railways



### Accessories and options

- 9.8 ft. (6-meter) cable for antenna
- Docking station
- Lightweight receiver lift system
- Larger PDA screen (10")
- Storage stand
- Travel cover
- Magnetic tail lights
- Splitz Lift Crane