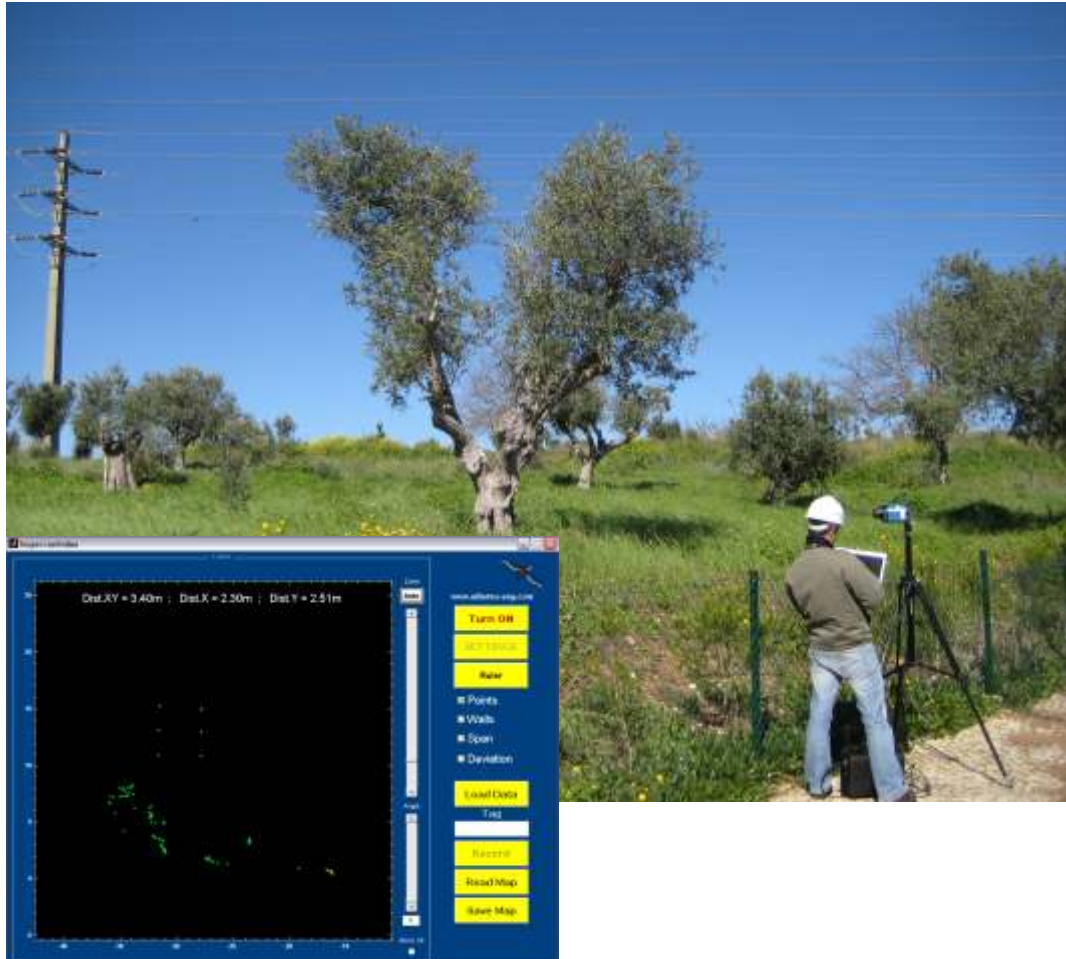


# Laser Measurement Tool



The Laser Measurement Tool (LMT) is an innovative, streamlined system for overhead power line track clearance verification at isolated locations along the track.

The LMT can be used to measure and locate the distance between isolated obstacles and the line. Its simple design and relatively small weight make the LMT especially useful in situations where the line is not accessible by an off-road vehicle and the inspection must be performed on foot.



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The LMT equipment is quick and easy to use. The sensor is to setup on-site where the conductors and the obstacle of interest are both visible and within the measurement range.

After connecting the equipment to the laptop and turning the system on, inspection crews can measure and record the distance between the conductors and the obstacle of interest.

Once the mission is completed, a location referenced list of measurements is made available.

The system can be customized to incorporate video images of the obstacles or to export the measurement data to maintenance or GIS databases.



### Technical Specifications

Dimensions (w/case)	330 x 234 x 152 mm
Weight (w/case)	6 Kg
Autonomy	200 measurements
Laser Class	1
Angle span	360°
Measurement Range	40 m @ 20% reflectivity 100 m @ 80% reflectivity

### Equipment

LiDAR sensor	14400 Hz
GPS receiver	1 Hz
Tripod	4,1kg, 2,27m max
Waterproof carrying case	
Wireless module	802.11g
Battery and charger	
Application and Operation Manual on CD	
not included	
Laptop or Tablet PC	Intel Core Duo

