

tCat - OCS Mobile Mapping

from Unipart Rail

Real-time LiDAR gauge for OCS surveying



Reliable, low cost geometry measurement solution

Real-time, actionable information

Automatic measurement - height and stagger

Foldable design, easy to transport

Designed to meet the needs of the construction, maintenance and operation of the rail industry, tCat 'OCS Mobile Mapping' provides simple, precise real time measurement of geometric parameters within a railway environment.

The tCat is a portable, manually propelled trolley, which provides LIDAR, laser and camera technology to survey the Overhead Catenary System and track clearances, obtaining precise real-time measurements. The analysis software and integrated processing allows automatic identification of the contact wire and automated report generation.

The tCat workstation allows the measurement of the following parameters:

- Height and stagger of Overhead Catenary System
- Cant/Superelevation level of Track
- Distance travelled
- GNSS position
- Tunnel cross section
- Clearance to poles
- Clearance to wayside equipment (platforms, trenches, transformer boxes, etc.)
- Electrical clearance survey (e.g. distance requirements verification at insulated/air gap overlaps)



Features & Benefits

- High accuracy measurements using a variety of sensors
- Visual check of any gauge/clearance
- Creation of OCS Project documentation
- User friendly control software for report generation and analysis
- Up to 50% reduction in time when compared to traditional methods
- Portable, foldable design which can be easily transported
- Stop & Go 2D profile measurements and continuous recording apply simultaneously



tCat

Copyright © Westcode Inc May 2023

Westcode Inc

223 Wilmington - West Chester Pike
Suite 105, Chadds Ford
PA 19317
T: +1 (0) 610 738 1200
email: sales@westcodeus.com
www.westcodeus.com

For more information on the tCat, contact us at railplant@westcodeus.com

Unipart Rail products are distributed through

