

Laser-TEC

Trolley with ladar



Ladar add-on mounted on the TEC-1435 trolley makes it possible to measure structures and objects whose sizes exceed \varnothing 10 mm, including, among others: light signals, tunnels, platforms, intertrack space, as well as height of the contact wire, poles, and other elements within 7 m from the track axis. Measurements of the clearance gauge elements may be carried out during the track geometry measurements.

Clearance gauge measurement is carried out after stopping the trolley, when the operator aims the laser beam to the selected point. The distance from the measured point to the track axis is displayed on the trolley keyboard. Measurement results, along with the object location, are stored in the trolley's electronic memory. Measurement error does not exceed \pm 5 mm. The trolley's memory contents is transferred to the PC when the measurement session is over. The PC software can print the clearance gauge inventory sheets.

Clearance gauge inventory sheet

Measurement venue and date

Date: 15 Apr. 2004 10:08 am
Line: 123 - HURKO - KROWNIKI (SZ)
Section: 1 - to harbour
Track: 2
Route: ABC
Mileage: -0.078

Measurement parameters

Curve: 342 [m] - left
Cant: -69.7
Clearance gauge type: A
Clearance gauge widening: 120.0
Extra space: none

Object: light signal Sz2N

v=0

Points layout in the clearance gauge plane

