

# PANTOGRAPH TEST BENCH



# BUILT TO LAST



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# PANTOGRAPH TEST BENCH



Test stand is intended to test current collectors (pantographs) of the railway vehicles.

## THE COMPUTER SYSTEM ENABLES THE REGISTRATION OF MEASUREMENT DATA, INCLUDING:

- Time of collector lifting up to the nominal height,
- Fall time of the collector from the nominal height,
- The height of the pantograph head in a folded state from the level of the insulator bracket,
- Static contact force in the operating range,
- Contact force,
- Lowering force,
- Freedom of rotation of the pantograph head,
- Holding force in the folded position,
- Checking the correct functional operation and tightness of the pneumatic system,
- Lateral deviation,
- Tilt of pantograph head,
- Measuring the wear of slider pad,
- Measurement of insulation resistance,
- The dielectric strength test.

CHARACTERISTICS	DATA
Supply voltage	3 x 400V + 10%, -15% L1 + L2 + L3 + N + PE
Frequency of the supply voltage	50Hz ± 10%,
Installed capacity	≤ 1kW
Stroke of the height measurement module	nominal 1300 mm (limited to user conditions)
Stroke of the bowing measurement module	280 mm
Measurement accuracy	1 mm
Pantograph contact force measurement	± 40 KG (392,4 N)
Pantograph bowing force measurement	± 50 KG (490,5 N)
Measurement accuracy	1 N
Speed of the measuring module	adjustable 10 – 62 mm/s

**NOTE:** The technical information provided in this specification relates to the standard test stand, it is possible to design a workstation that complies with the individual requirements of the customer.



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