



NT 800-2

Distributed HV wiring tester



flexible to use



efficient



high modularity



HV wiring tester
for the rail sector

Up to
131.072
test points

Up to
40%
faster set-up

HV tests DC
up to
6000 V

HV tests AC
up to
5000 V

NT 800-2

at a glance



Process optimization

Optimize the production process by reducing cycle times and track occupation times.



High modularity

Plug-and-play principle and a standardized 19" system structure guarantee a high degree of modularity.



Fast and easy adapting

Test point units distributed and networked around the test object allow up to 70% shorter adapter cables. The base unit and test point units are only connected via bus cables.



MES connection via OPC UA

Centrally download test results and production data using the optional OPC UA protocol.



Compatible with adaptronic software

Work as always with all adaptronic software products - from test control to data import.



Transparency – at all times – about everything

Keep an overview at all times – whether preparing test data or reporting, sophisticated functions give you quick access to the data relevant to you.



Individualization to customer requirements

Customer-specific interfaces, intelligent adapter cables or special reporting requirements – individuality is one of our strengths – contact us.

Extract from our previous customers

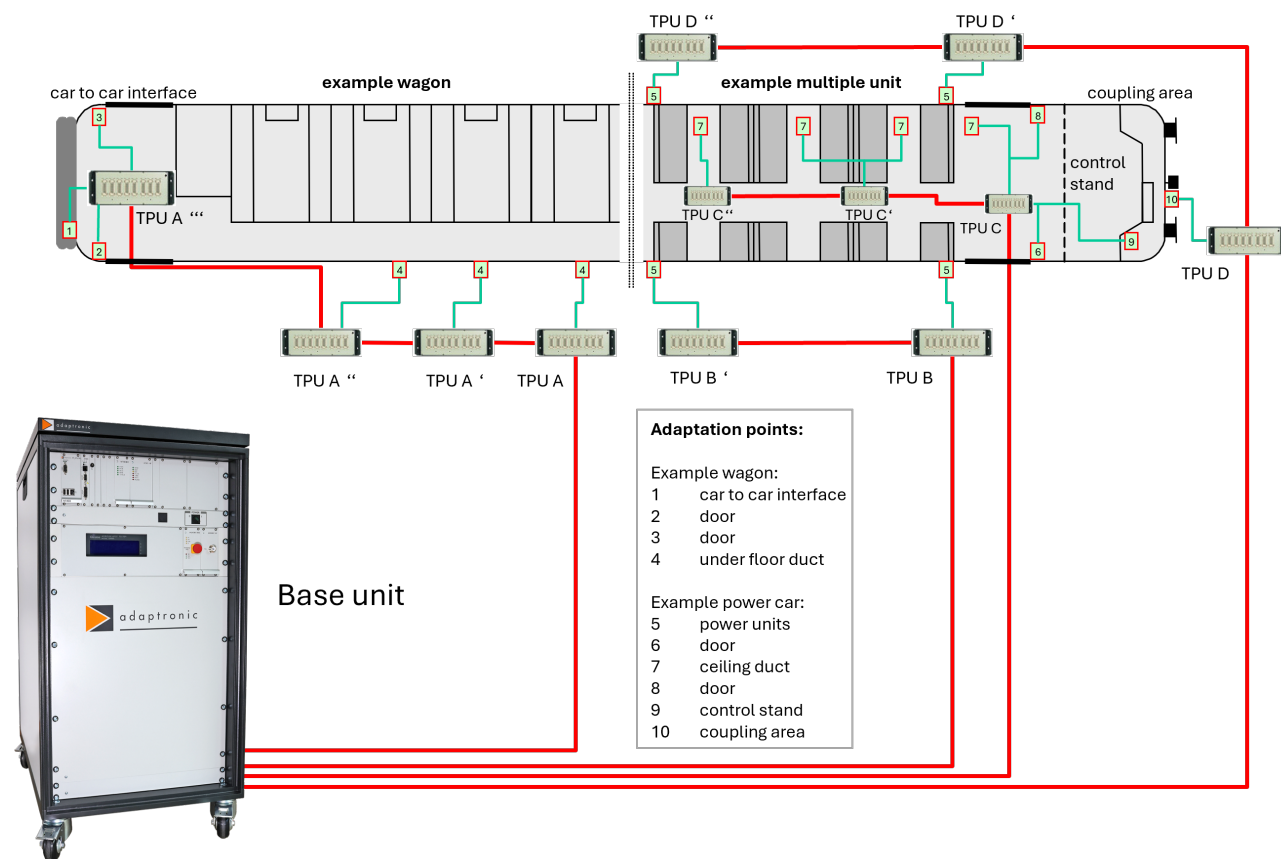
SIEMENS

STADLER

NT 800-2

for rail technology

System example with base unit and test point units (TPUs)



Features

- Distributed test system for HV tests of large test objects such as locomotives, traction units, wagons, etc.
- Test point units (TPUs) arranged like satellites around the test object are connected to the NT 800-2 base unit via bus cables.
- The test point units can be designed with customer-specific interfaces.
- Proven adaptronic Software NT Control:
 - fast test program creation
 - instructions for support when adapting the test object
 - automatic test sequence with display of the test steps
 - recording of all test steps and test results
- Optional data connection to MES for example via OPC UA

Technical data NT 800-2

Test points	max. 131.072
Low voltage test DC	
Test voltage / test current	max. 35 V / max. 100 mA
Low voltage tests	– continuity test – short circuit test – component test: resistors, capacitors, diodes, Zener-diodes, LEDs
Insulation test DC	
Test voltage	40 – 1500 V
Threshold insulation test	500 kΩ – 2 GΩ (optional up to 10 GΩ)
Dielectric strenght test AC/DC	
Test voltage / test current AC	50 – 5000 V / max. 500 mA
Test voltage / test current DC	50 – 6000 V / max. 25 mA
Insulation test according to DIN EN 50343 and DIN EN 50166	
	Wire against wire, wire against housing, group against group, Group against group and housing Double insulation test
Allgemein	
Power supply	400 VAC (3-phase / 50 – 60 Hz)
Interfaces	– up to 8 TPU bus interfaces for connecting TPUs – up to 16 TPUs / max. 90 m line length per interface – safety circuit to safeguard the workplac – connection options for a red/green warning light, foot switch, test result lamp, acoustic signal – pin number probe for test point identification
Dimensions (W × H × D)	Base cabinets: 25 RU: 600 mm × 1355 mm × 800 mm or 30 RU: 600 mm × 1930 mm × 800 mm TPU 16/4: 530 mm × 230 mm × 650 mm TPU 16/7: 530 mm × 350 mm × 650 mm TPU 32/11: 530 mm × 530 mm × 650 mm

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