



NT 800-5

for extremely large test objects



space-saving



efficient



time-saving



The efficient way to test LV cable harnesses installed in aircraft

LV-tests up to
**35 VDC /
100 mA**

ATA
Active Termination
Adapter

Up to
131.072
test points

NT 800-5

at a glance



Process optimization

Optimize the production process by parallelizing electrical testing and other manufacturing steps. This results in shorter cycle times



Cost reduction for series products

Massive cost savings thanks to reduced effort for adapting - up to 70% time saving through the use of innovative Active Termination Adapters (ATA) without the need for additional cables.



MES connection via OPC UA

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



Reduced fault costs

The optical signaling on ATAs enables faults to be localized quickly.



Compatible with adaptronic software

Work as always with all adaptronic software products – from importing data to test control and data analysis.



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.



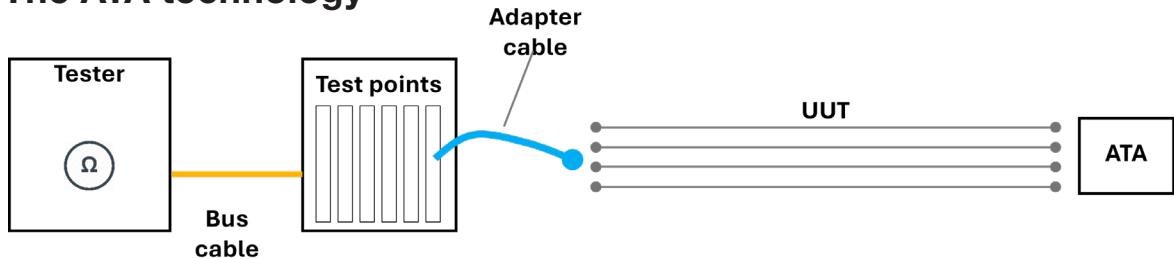
Space-saving

Miniaturization of the components required for testing means more space is available in the working environment.

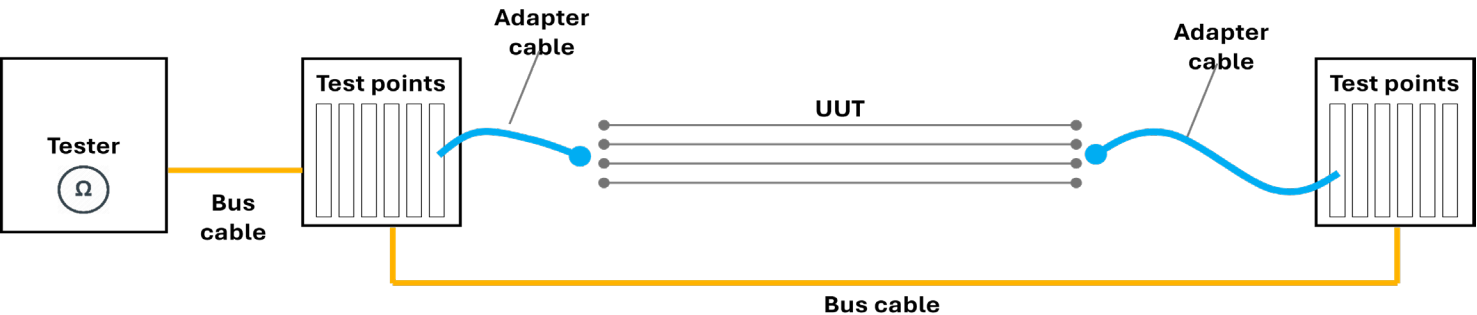
NT 800-5

goes aerospace

The ATA technology



Conventional technology with increased technical and adaptation effort



01
Test Point Unit (TPU) with 10 connectors for adapter cables



02
Active Termination Adapter (ATA) with test object connector, RFID tag and illuminated ring for visualization during test run and in the event of an error

Technical data NT 800-5

Test points	max. 131.072
Low voltage test DC	
Test voltage	max. 35 V
Test current	max. 100 mA
Continuity test threshold	1 Ω – 1 k Ω
Short-circuit test threshold	20 k Ω – 10 M Ω (optional up to 100 M Ω)
Component test	Resistors: 1 Ω – 10 M Ω (optional bis 100 M Ω) Capacitors: 10 nF – 20 mF (optional ab 100 pF) Diode, Zener-diodes, LEDs
General	
Power supply	100 - 240 VAC (50 - 60 Hz)
Interfaces	– up to 8 TPU bus interfaces for connecting TPUs – up to 32 TPUs / 90 m line length per interface – connection options for a red/green warning light, foot switch, test result lamp, acoustic signal – pin number probe for test point identification
Dimensions (W x W x D)	Base cabinets: 4 RU: 530 mm x 265 mm x 650 mm or 20 RU: 600 mm x 1070 mm x 800 mm TPU LV 04/01: 235 mm x 125 mm x 90 mm

Highlights

- Main advantages of the ATA technology (Active Termination Adapter):
 - no cables from the ATA to the test system
 - no power supply for the ATA
 - no battery charging technology for the ATA
 - no radio technology in the industrial environment
- Proven adaptronic NT Control software
- Optional semi-automatic data import with UniCAD
- Optional data connection to MES, for example via OPC UA
- Intelligent storage system for the adaptation components on request

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