



NT 644

Modular HV wiring tester



modular



future-proof



safety current limited



Compact HV wiring tester
with expansion options

Up to
1500 VAC
2150 VDC

Up to
1024
test points

100 %
standard-compliant

NT 644

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The key facts

- Test and programming software NT Control
- Solid 19” housing
- Expandable by several measurement electronics
- The requirements of the following test standards are complied with:
IPC/WHMA-A-620, MIL-STD-202G, NASA-STD 8739.4A, MIL-HDBK-83575, MIL-STD-1344A, MIL-C-45224D

Software options (selection)



Database reporting



UniCAD



Customers (selection)



Hardware options (selection)

Open Wire Probe



Measurement technology extensions



Application specific adapters



Technical Data NT 644

Test points	max. 1024
Low voltage test DC	
Test voltage / test current	max. 25 V (optional up to 250 V) / max. 25 mA (optional up to 2 A)
Threshold continuity test	1 Ω – 1 k Ω (optional four-wire measurement from 1 m Ω)
Threshold short-circuit test	20 k Ω – 1 M Ω (optional up to 100 M Ω)
Component test	Resistors, capacitors, diodes, Zener-diodes, LEDs, suppressor diodes
Dielectric strength test AC	
Test voltage	100 - 1500 V
Test current	max. 2,1 mA _{eff} , 3 mA _p , safety current limited according to EN 50191 (optional max. 4,2 mA _{eff} , 6 mA _p)
Dielectric strength test DC	
Test voltage	40 – 2150 V
Test current	max. 3 mA, safety current limited according to EN 50191 (optional max. 6 mA)
Insulation test DC (optional)	
Test voltage	40 - 2150 V
Threshold	500 k Ω – 2 G Ω (optional up to 10 G Ω)
Other	
Function test (optional)	The NT 644 can be expanded, so that the test of relays, time relays, contactors, indication lamps, function procedures etc. can be carried out automatically.
Interfaces	– Extern interface with 3 opto-coupled inputs and 3 potential-free outputs (expandable) – Serial interfaces USB2.0 / RS 232 – Network / pin number probe



Contact the test specialist now!