



adaptronic test tables for adapter technology AT4000

sophisticated – functional – safe


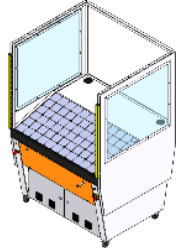

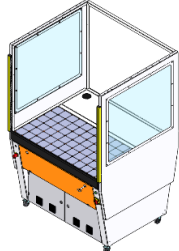
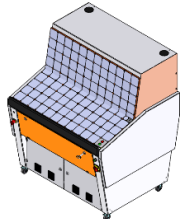
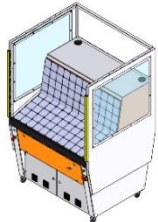
adaptronic test tables are a key component of the adaptronic modular system for the design of convenient and high-quality test systems for the wiring and function test of assembled cable harnesses of all types.

The test tables are prepared for the integration of adaptronic test devices of the different series and adapters of the type AT4000. This makes it easy to configure and set up test systems with a wide range of test voltages and test point extensions.

Standard designs:

- Test tables with sloped adapter surface (sloped)
- Test tables with sloped adapter surface (sloped) and protective device
- Test tables with horizontal adapter surface (flat)
- Test tables with horizontal adapter surface (flat) and protective device
- Test table with adapter surface inclined in two steps (L-shape)
- Test table with adapter surface inclined in two steps (L-shape) and protective device

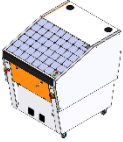
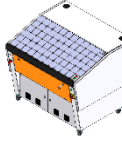
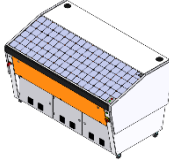
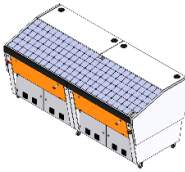
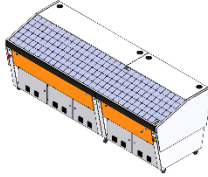
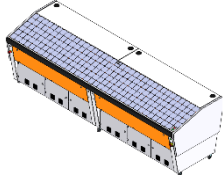
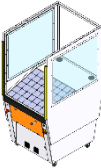
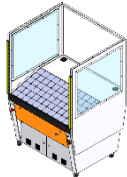
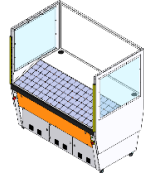
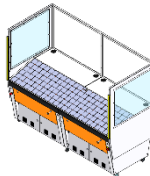
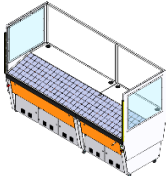
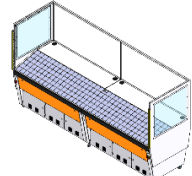
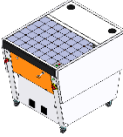
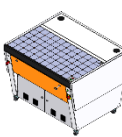
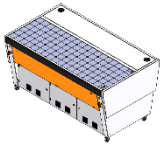
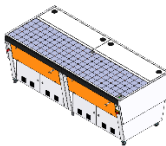
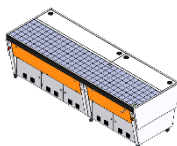
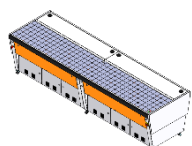
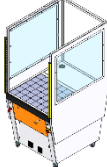
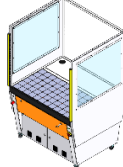
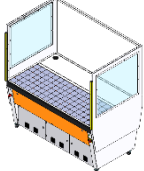
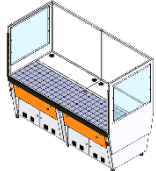
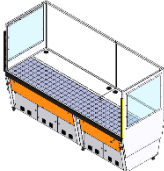
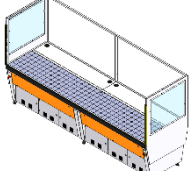
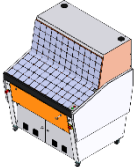
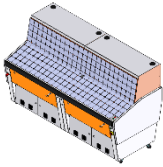
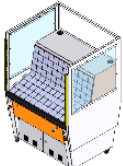
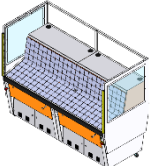
Test Tables

Type	Example
<p>Desk</p> <ul style="list-style-type: none"> ■ Adapter surface with 15° inclination 	<p>TD1200P</p> 
<p>Desk with protective device</p> <ul style="list-style-type: none"> ■ Adapter surface with 15° inclination ■ Protective device 	<p>TD1200P-S</p> 
<p>Flat</p> <ul style="list-style-type: none"> ■ Adapter surface with 0° inclination ■ Shelf can be used as an extended adapter support 	<p>TD1200F</p> 
<p>Flat with protective device</p> <ul style="list-style-type: none"> ■ Adapter surface with 0° inclination ■ Shelf can be used as an extended adapter support ■ Protective device 	<p>TD1200F-S</p> 
<p>L-Shape</p> <ul style="list-style-type: none"> ■ Two-step inclines adapter surface for AT4000 adapters: <ul style="list-style-type: none"> ▪ 1. surface: version with 15° inclination ▪ 2. surface: version with 80° inclination 	<p>TD1200L-2</p> 
<p>L-Shape with protective device</p> <ul style="list-style-type: none"> ■ Two-step inclined adapter surface for AT4000 adapters: <ul style="list-style-type: none"> ▪ 1. surface: version with 15° inclination ▪ 2. surface: version with 80° inclination ■ Protective device 	<p>TD1200L-S</p> 

Test Tables

Available articles with dimensions and weights*

Dimensions in mm (W x H x D)

<p>1TD0800P-2</p>  <p>870 x 1110 x 1090 140 kg</p>	<p>1TD1200P-2</p>  <p>1270 x 1110 x 1090 170 kg</p>	<p>1TD1800P-2</p>  <p>1870 x 1110 x 1090 220 kg</p>	<p>1TD2400P-2</p>  <p>2470 x 1110 x 1090 290 kg</p>	<p>1TD3000P-2</p>  <p>3070 x 1110 x 1090 335 kg</p>	<p>1TD3600P-2</p>  <p>3670 x 1110 x 1090 385 kg</p>
<p>1TD0800P-S-2</p>  <p>870 x 2000 x 1100 185 kg</p>	<p>1TD1200P-S-2</p>  <p>1270 x 2000 x 1100 220 kg</p>	<p>1TD1800P-S-2</p>  <p>1870 x 2000 x 1100 275 kg</p>	<p>1TD2400P-S-2</p>  <p>2470 x 2000 x 1100 350 kg</p>	<p>1TD3000P-S-2</p>  <p>3070 x 2000 x 1100 400 kg</p>	<p>1TD3600P-S-2</p>  <p>3670 x 2000 x 1100 460 kg</p>
<p>1TD0800F-2</p>  <p>870 x 945 x 1090 130 kg</p>	<p>1TD1200F-2</p>  <p>1270 x 945 x 1090 160 kg</p>	<p>1TD1800F-2</p>  <p>1870 x 945 x 1090 210 kg</p>	<p>1TD2400F-2</p>  <p>2470 x 945 x 1090 275 kg</p>	<p>1TD3000F-2</p>  <p>3070 x 945 x 1090 320 kg</p>	<p>1TD3600F-2</p>  <p>3670 x 945 x 1090 370 kg</p>
<p>1TD0800F-S-2</p>  <p>870 x 1992 x 1100 215 kg</p>	<p>1TD1200F-S-2</p>  <p>1270 x 1992 x 1100 250 kg</p>	<p>1TD1800F-S-2</p>  <p>1870 x 1992 x 1100 270 kg</p>	<p>1TD2400F-S-2</p>  <p>2470 x 1992 x 1100 345 kg</p>	<p>1TD3000F-S-2</p>  <p>3070 x 1992 x 1100 395 kg</p>	<p>1TD3600F-S-2</p>  <p>3670 x 1992 x 1100 455 kg</p>
	<p>1TD1200L-2</p>  <p>1270 x 1535 x 1100</p>		<p>1TD2400L-2</p>  <p>2470 x 1535 x 1100</p>		
	<p>1TD1200L-S-2</p>  <p>1270 x 1535 x 1100</p>		<p>1TD2400L-S-2</p>  <p>2470 x 1992 x 1100</p>		

* Dimensions and weights without adapters and optional equipment

Test Tables

Adapters

Type AT4000 adapters are installed in the test table in a self-supporting manner, without the use of mounting rails. This allows the adapter layout specified by the UUT to be implemented individually. The installation of simple up to very complex adapters with different mechanical dimensions is possible without any problems and without modifications to the table frame. Due to the modular and flexible design, an adjustment to new or modified UUTs can be made at any time.

Basic configuration of all test table types

- Solid steel framework with integrated coordinate inscription
- Reception surface for the integration of AT4000 adapters
- START/RELEASE and PIN module
- Unused areas are covered with blind plates
- Integrated interface board "Table Control" for adapter control
- Air distribution (compressed air supply for AT4000 adapters)
- Compressed air maintenance unit
- Storage area e. g. for monitor, keyboard, printer
- Base cabinet, lockable, with mounting rails for 19" units for the integration of further components like test device, switch PC-system etc.
- Swivel casters
- Closed switch cabinet for mains power supply 230 VAC, 50 Hz
- Without AT4000 adapters, adapter cables, test point interface boards (project specific equipment)

Protective device

To protect operators at high test voltages, protective devices with mechanical enclosure and light curtain are also available for all table shapes.

- Mechanical housing made of solid steel, side parts with acrylic glass panels
- Safety light curtain according to IEC/EN 61496 with integrated cyclically test; resolution: 20 mm (hand protection); safety area height: 900 mm
- Safety relays
- Separate 24 V power supply for the power supply of the safety features
- Emergency switch and 2nd start key outside the safety area
- Safety switches at all doors with access to areas with dangerous voltages

Options

- LED illumination
- Various monitor mounts
- Compressed air gun
- Storage area for test equipment on the side
- Additional support for adapter surface in test table
- Additional START/RELEASE module
- Extension for operation with 120 V / 60 Hz
- Temperature and humidity logging for test table systems
- Compressed air maintenance unit with pressure monitoring and shutdown
- Cover plate for unused adapter area incl. handles, dimensions 1000 x 600 x 20.8 mm
- Equipment for optical recognition by vision sensors or cameras
- Cover tarpaulins suitable for industrial use to protect the entire adapter area
- Protective cover "roof" for test tables with protective device to protect against dust, external light, etc.
- Light curtain with 14 mm resolution (finger protection)
- Wide range of additional equipment for good/bad handling of UUTs

Operator software

All adaptronic test devices used in test tables are equipped with the NT Control TT operating software, which is specially designed for test table applications.

NT Control TT offers test table specific functions such as:

- Automatic adapter scan
- Control and display of adapter LEDs
- Adaptation test etc.