



Electrical Test Instruments, LLC Product Description and Specifications 10 kVA Autotransformer Model AT-10B

Overview:

This is a portable autotransformer intended to allow the **PI-800** and **PI-1600** test sets to be used at full capacity on 480VAC lines. It provides 240VAC at 10 kVA. It is housed in a rugged ABS enclosure approximately 22" wide x 11" high x 22" deep, including 2" lids, and weighs less than 125 lb.

Basic Description and Operation:

This instrument is housed in a rugged waterproof case with removable front and rear covers. The input connection is by way of two 50 A male connectors and a ¼" ground lug. Female plugs are provided for the customer to make cables as required. When input power is applied, a green POWER ON light is illuminated, and 240VAC for the **PI-800** is provided on two 50 A female connectors.

In the case of long-term overload and subsequent overheating of the autotransformer, thermal overload switches will open, and the red Thermal Overload lamp will light. It is the responsibility of the user to remove the load if this occurs.

- (1) Measure the input power source to verify it is within the limits of the **AT-10B**.
- (2) Connect the input ground terminal to a solid earth ground.
- (3) Connect the output ground terminal to the **PI-800**.
- (4) Connect the power leads from the **AT-10B** output jacks to the **PI-800** input jacks.
- (5) Connect the input leads of the **AT-10B** to a de-energized power source.

Energize the power source and verify that the Power On lamp lights .

Specifications:

Width: 22 inches (559 mm)

Height: 11 inches (280 mm)

Depth: 18 inches (457 mm)

Depth (lids): 2.0 inches (51 mm)

Weight: 125 pounds (57 kg.)

Input (480V): 420-520 VAC, 60 Hz, 10 kVA nominal (21 amperes)

Output (Main): 240VAC at 40A continuous (9.6 kVA)

Overloads:	200%	30 seconds ON, 90 seconds OFF	(25% Duty Cycle)
	300%	10 seconds ON, 90 seconds OFF	(10% Duty Cycle)
	1000% 0.3	seconds ON, 30 seconds OFF	(1% Duty Cycle)

WARRANTY

Electrical Test Instruments, LLC, will correct any defect in workmanship or material for two years after date of purchase of any Electrical Test Instruments product. Such corrective measures will be limited to repairing or replacing the unit, at Electrical Test Instruments' option. This limited warranty shall not apply to equipment which has been subjected to negligence, accident or damage by operation, maintenance or storage, or to non-normal use or service. This limited warranty does not cover reimbursements for transportation, removal, installation, repair or replacement, except as may otherwise be specifically agreed to in writing by Electrical Test Instruments. The foregoing is in lieu of all other warranties expressed or implied, and all other obligations or liabilities whether arising under contract, negligence or otherwise, on the part of Electrical Test Instruments. In no event shall Electrical Test Instruments be liable for consequential or special damages, including but not limited to loss of use, loss of income, loss of profit or cost of replacement.