

Residential Distribution Trainer

Educational Training Equipment for the 21st Century

Bulletin 180-108B

H-TCB-3A Transformer Connection Board

Purpose

The Hampden **Model H-TCB-3A** Transformer Connection Board has been developed to assist Utility Company Linemen in developing the necessary skills required for connecting residential transformers.

Description

The system depicted on the graphics of this trainer, consists of a 4160V line, three transformers and a distribution network. Each transformer is fused and the system incorporates a switch for either wye or delta operation. Provided is a 5KV AC voltmeter and a 600V AC voltmeter.

Specifications

Enclosure:

The panel consists of 12 gauge furniture grade steel, finished in baked-on white enamel. The case and rear panel consists of 14 gauge furniture grade steel, finished in instrument tan texture enamel, with (4) rubber feet.

Nomenclature:

Black silk-screen enamel

Binding Posts (43):

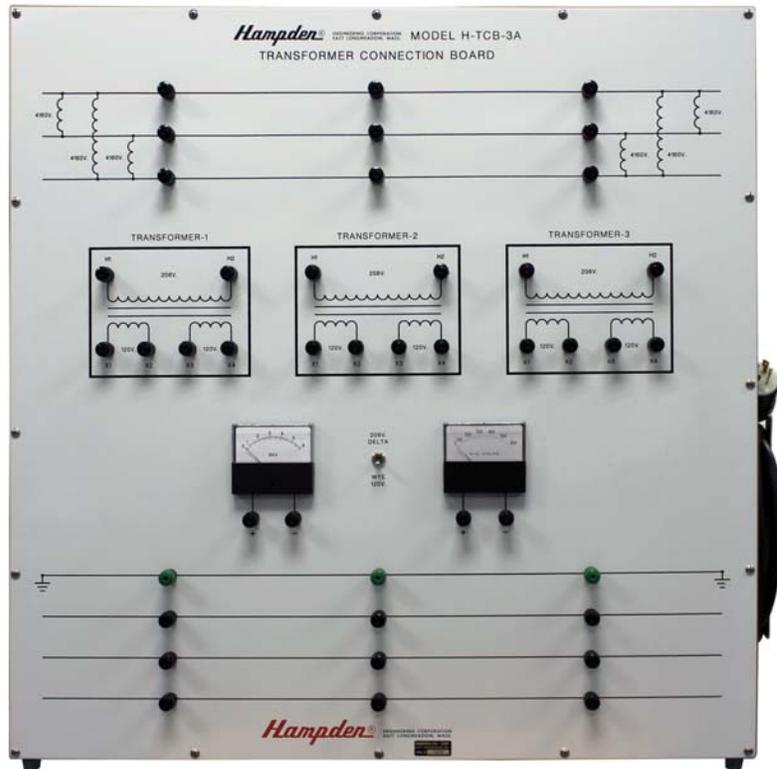
Hampden HB-3 color-coded, 5-way, non-jam captive head binding post rated 30 amperes.

Instruments:

ACVM 0-5KV AC 2.5 inch terminated to two HB-3 binding posts.
ACVM 0-600V AC 2.5 inch terminated to two HB-3 binding posts.

Transformers(3):

208V AC primary with tap at 120V AC
120V AC dual secondary



Dimensions:
47"H x 45"W x 27"D
Shipping Weight: 275 lbs

Fuse Holders (9):

Fuse both primary and secondary transformer taps, mounted in a locked compartment on the side of the case.

Main AC Breaker:

A 3-pole main AC circuit breaker and indicator light mounted in the locked compartment with the fuses.

Switch:

Primary to either wye or delta configuration.

Power cord:

8 foot long with Leviton 2721 locking plug and Leviton 2720 mating receptacle

Interconnection Cords:

Hampden PP-1, 1 Ft. (6)
Hampden PP-2, 2 Ft. (10)
Hampden PP-3, 3 Ft. (8)

All Hampden units are available for operation at any voltage or frequency

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