

# Buchholz Relay Trainer (MODEL : XPO-PRT/BUC)



## SALIENT FEATURES

- The trainer need a few set of associated relay testing (current / voltage injection etc.) panels (7-8 nos. typically) which are mounted in a light weight sturdy aluminum profile flat demo panel system. Do not need any separate testing kit.
- Facilitates easy and safe wiring by students due to use of 4mm sturdy Shrouded banana patch cords and shrouded socket arrangements for high voltage circuits
- Each panel has ABS molded plastic sturdy enclosure, and colorful screwless overlays showing circuits diagrams & its connection tag numbers for easy understanding and connection
- Set of Instructor Guide & Student Workbook

## Technical Specifications

### Input 3 phase DOL Starter panel (EMT1)

- 4 pole MCB of 415 V/4A .
- DOL 9A Contactor with 230V / 50 Hz / 11VA COIL .
- Bimetallic thermal O/L relay with range 2.5A -6A .

### Integrated AC 3 phase measurement panel (EMT 34)

- Consist of (96 X 96 mm) Digital meters for 3 ph.
- Measures V, I, PF (0.2 lag – unity 0.2 lead), Hz. Hence separate analog wattmeters (3ph., 1ph.) are not needed.
- Consists of AC ammeter of 20A
- Elapsed time counter range 999.001 msec, resolution 1 msec.
- 1ph. MCBs of 4A/1.6A - 2nos.
- 2no. 2P2W selector switches to run as 1ph. alternator then as synchronous motor.

### Protection relay type (EM/Static /Num)

Mechanical type oil and gas operated Buchholz.

### List of Experiments

To plot behaviour of Buchholz relay.

**Mech. Dim. (mm) /weight :** 1170(L) x 300 (W) x 990 (H) / 20 kg