



PRIMARY CURRENT INJECTION TEST SET

PCI

SCOPE

During installation, testing, specially if the protective gear is connected to the power line via a current transformer it is advisable to use our Primary Injection Test Set. Keeping this in mind a wide range of Primary Current Injection Test Sets are being manufactured.

These sets have been designed to enable the users of heavy electrical equipment to carry out such tests as have previously described, with a maximum efficiency at minimum cost providing a convenient means of delivering, controlling and measuring a heavy current in a comparatively low voltage low impedance circuit

A set like this is ideal for routine testing of circuit breakers, current transformers with or without ammeter and can be used for many other application where a heavy current supply of short duration is required.

SPECIFICATION

Input	: 230volts, 1phase, 50Hz, A.C.
Output	: 100A 'OR' 200A 'OR' 300A 'OR' 400A 'OR' 500A 'OR' 600A 'OR' 800A 'OR' 1000A 'OR' 1500A 'OR' 1600A 'OR' 2000A 'OR' 3000A 'OR' 4000A at maximum capacity = From 300VA to 12kVA (Any one)
Unit	: Two 'OR' Three as per output and the capacity required.
Duty	: Intermittent i.e. 5mins "ON" 5mins"OFF".

The set will be housed in a portable well finished sheets metal case with input voltage terminal and output current terminal with proper rating .

STANDARD COMPONENTS

- Incoming cables or plug and sockets.
- Incoming main switch.
- Input fuse.
- Mains lamp & "START" injection indicating lamp.
- Continuously variable auto transformer providing smooth control from zero to maximum rated current.
- Output current selection in 2 ranges of 3 ranges (as per specification required) .by external LINK arrangement.
- Double wound loading transformer with secondary winding sections arranged for different output current ranges can be selected by making the serious parallel links properly.
- High current output terminal.
- Light current voltage output terminal.
- 0-5Amp. A.C.Digital (Scale 0-100% of selected range) Ammeter in the secondary circuit of the current transformer, giving direct reading of loading current.
- Sets are provided with over current protective device along with push buttons and connector.



ADDITIONAL

Digital time interval meter for measurement of time lag during the operation of protective relays is very important and this time lag can be measured by a time interval meter. For this digital time interval meter can be used. However the cost for this meter will be extra.