



46639 Numeric IDMT over Current Relay Trainer is a rugged training system for the Electrical laboratories mounted on Aluminum profile rack with sturdy table top flat panel. Each panel has sturdy ABS plastic molded enclosure with 4mm shrouded connectors showing circuit diagram & its connection tag numbers for easy understanding and connections. The product helps you to get fully acquainted with the basic concepts and functioning of Numeric IDMT Over Current Relay.

Features

- Aesthetically designed Aluminum Profile Structure
- ISI/CE marked branded Components/ Meters are used
- ABS plastic enclosed Panel Board with mimic diagram
- All input & output are terminated in 4mm shrouded connector,
- 4mm banana cable for experiments.

List of Experiment

- 1.To plot Inverse Definite Minimum Time (IDMT) characteristics of over current relay
- 2.To plot Definite characteristics of over current relay

Specifications

Rack

Material	: Aluminum Profile
Material Dimension	: 40 x 40 mm
Table Top Panels	: 1 No.
Mimic diagram	: Provided on each Panel
Termination on panel	: 4mm shrouded connector
Input / Output	: 4mm shrouded cable of various length

DOL starter panel

MCB	: 4 pole, 415 V/4A
Contactors	: 9A, 230V / 50 Hz / 11VA COIL.
Display	: Indicators for R-Y-B Input
Start / stop	: Manual type with local trip contact

PhaseThree

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Multifunction meter panel

Phase	: 3 Phase 3/4 wire
Voltage	: 415V
CT Input	: 5A
Display	: LCD/LED
Aux supply	: 230V, 45-65 Hz, 5W
Measurement Units	: V, A, Hz, Pf, KVA, KW, KWH
PC Communication (OPTIONAL)	: Modbus RTU RS485

TypeBidirectional Multifunction

Note: Specifications are subject to change.

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Voltage / Current Injector Panel

Input Voltage : 230V AC, 50 Hz
Output Voltage : 0-270V / 3A

Over Current & Elapsed Time Counter Panel

AC Ammeter : 20 A
Counter Range : 999.001 Sec
Resolution : 1 m Sec

Relay Panel

Connector : Relay Coil
Connection : All connection of relay are brought out on this panel

Lamp Load Panel

Lamp Load : 15W / 40W / 60W / 100W / 200W, 230V AC (3 No's)
Toggle Switch : 6A, ON/OFF for each bulb

Resistive Load panel

Resistors : 750E/600E/300E/212E/162E/125/112E/100E/ 400W / 8 steps + OFF + 60E Tap for DC series Generator
Switch : to run on no load

Table Top Protection Relay

Type : 3 phase Numerical IDMT Over Current relay
Rated Current : 1A / 5A User Selectable
Aux. Voltage Range : 85-275V AC/DC, 21-130V DC
Contacts : 2 NO&2 NC
Frequency : 50 Hz / 60Hz

Table Top Variac (Optional)

Phase : Three
Input Voltage : 415 VAC, 50 Hz
Output Voltage : 470 V AC /3A

Accessories

- Set of Shrouded Cables
- Manual with Experiments

Optional Accessories

- Working Table1No.
- Hand Held Tachometer1No.
- Multimeter1No.
- Tool Kit1No.
- Demo CD showing Experiments.....1No.

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