

# Relay Test Set: RTS Series

The Motwane make RTS Series is portable cost effective solution to test voltage & current based relays. It is designed with highly accurate digital meters for plotting operating characteristics of protective devices. The MOT-RTS set provide high burden to test electromechanical relays. RTS Series can provide up to 200A for CT, MCB Testing. The compact & rugged design makes it easy to move in relay room.

## Features

- Compact unit with rugged case
- Continuous variable and selectable output current
- High burden to test electromechanical relays
- Auto cut off upon tripping relay

## Applications

- Over current relay
- Undercurrent relays
- Inverse time over current relay
- Over voltage
- Under Voltage
- Thermal relays



The objective of power system protection is to isolate a faulty section of electrical power system from rest of the live system so that the rest portion can function satisfactorily without any severer damage due to fault current.

Actually circuit breaker isolates the faulty system from rest of the healthy system and this circuit breakers automatically open during fault condition due to its trip signal comes from protection relay. The main philosophy about protection is that no protection of power system can prevent the flow of fault current through the system, it only can prevent the continuation of flowing of fault current by quickly disconnect the short circuit path from the system.

## Technical Specifications

Specification	MOT-RTS10	MOT-RTS20	MOT-RTS50	MOT-RTS100	MOT-RTS200
Current	0-10A	0-20A	0-50A	0-100A	0-200A
Selectable Current Ranges	0-1-5-10	0-1-5-10-20	0-1-5-10-25-50	0-1-5-10-25-50-100	0-1-5-10-25-50-100-200
Burden	200VA		400VA	600VA	
O/P DC Voltage	0-250V	0-250V	0-250V	0-250V	0-250V
O/P AC Voltage	0-250V	0-250V	0-250V	0-250V	0-250V
Voltage Accuracy	+/- 0.5% of rdg				
Voltage Resolution	1V				
Current Accuracy	+/- 0.5% of rdg				
Current Resolution	0.1% of full scale				
Timer range	0.0001-9999Seconds Auto Ranging ,Tripping with Potential Free contact				
Timer Accuracy	0.05%+1 Counts				
Duty Cycle	30Min ON,10Min OFF				
Operation	Manual				
Display	LED				
Indication	Bright LED for Power ON & Test ON				
Mains Supply	230 Vac ,50Hz ±10%				
Protection & Safety	Protected by MCB Fast blow glass fuse				
Operating Temperature	0-55°C ,5-90% RH Non Condensing				
Current Output lead	PVC insulated 2.5 sq. mm cu cable 2X1.5mtr lug at both ends	PVC insulated 10 sq. mm cu cable 2X1.5mtr lug at both ends	PVC insulated 10 sq. mm cu cable 2X1.5mtr lug at both ends	PVC insulated 25 sq. mm cu cable 2X1.5mtr lug at both ends	PVC insulated 50 sq. mm cu cable 2X1.5mtr lug at both ends

## Standard Accessories

- Lead sets
  - PVC insulated output current lead set
  - PVC insulated 2.5 Sq.mm Cu cable 2x4 mtrs one side banana plug & other side small crocodile clip.
  - PVC Insulated 1.5 Sq.mm Cu Cable 4 x 4 mtrs one side banana plug & other side small crocodile clip.
  - PVC Insulated 1.5 Sq.mm 3 core Cu cable for input supply
- Instruction manual
- Calibration report
- Warranty certificate

ORDERING INFORMATION	
Model	Product detail
MOT-RTS10	10A Relay Test Set
MOT-RTS20	20A Relay Test Set
MOT-RTS50	50A Relay Test Set
MOT-RTS100	100A Relay Test Set
MOT-RTS200	200A Relay Test Set



**Warranty :** Standard one year warranty against any manufacturing defects.

### Notes

1. The Instrument is accompanied with Test & calibration sheet. 2. Test Facilities can be provided at the factory with the available test set-ups only. 3. The Company's policy is continuous improvement of its products. We therefore reserve the Right of any deviation from illustration or specifications without notice. 4. Stated accuracies are valid from 10% of the range to 95% of the range. 5. Accuracy Specified for temperature range of 25°C ± 5°C & 55% RH ±10%.

Designed and Manufactured by:



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