

Electrical Test & Measurement Instruments





Features

- ✓ Compact unit with rugged case
- ✓ Variable model and selectable Output Current up to 200A/600VA
- ✓ Output Voltage 0-250V AC/DC
- ✓ Auto Cut-Off upon Tripping Relay
- ✓ Timer Range 0.0001-9999 Seconds Auto Ranging
- ✓ Digital Timer with Accuracy $\pm 0.05\% \pm 2$ Counts
- ✓ Wheel mounted for easy transportation

MOT-SIK

Secondary Current Injection Kit

Motwane's SIK Series, also known as Relay Test Set (RTS), is a portable, cost effective solution to test voltage & current based relays. It is designed with highly accurate digital meters for testing of protective devices. The MOT - SIK set provides high burden to test electromechanical relays. The equipment can provide up to 200A for CT and MCB Testing. The compact and rugged design makes it easy to move in relay room.



Applications

The secondary current injection test of solid-state units can be performed by a specially designed power supply unit. Secondary injection tests are always done prior to primary injection tests. The purpose of secondary injection testing is to prove the correct operation of the protection scheme that is downstream from the inputs to the protection relay(s). This is because the risks during initial testing to the LV side of the equipment under test are minimized. It should be noted that the secondary current injection method only tests the solid-state trip unit logic and components like relay, miniature breaker etc.

- Over Current Relay
- Undercurrent Relays
- Over voltage Relays
- Under Voltage Relays
- Thermal Relays
- Earth Fault Relays
- Electromechanical Relays
- Miniature Circuit breaker etc.

Ordering Information

MOT-SIK10/200	10A Secondary Current Injection Kit
MOT-SIK20/200	20A Secondary Current Injection Kit
MOT-SIK50/400	50A Secondary Current Injection Kit
MOT-SIK100/600	100A Secondary Current Injection Kit
MOT-SIK200/600	200A Secondary Current Injection Kit

Technical Details

MOT-SIK

Technical Specification

	Model	MOT-SIK10	MOT-SIK20	MOT-SIK50	MOT-SIK100	MOT-SIK200	
	Output Current	0-10A	0-20A	0-50A	0-100A	0-200A	
	Selectable Current Ranges (O/P current display on % Ammeter)	0-1-5-10A	0-1-5-10-20A	0-1-5-10-25-50A	0-1-5-10-25-50-100A	0-1-5-10-25-50-100-200A	
	Burden	200VA		400VA	600VA		
	O/P DC Voltage	0-250V DC					
	O/P AC Voltage	0-250V AC					
	Voltage Accuracy	±1.5% of full scale reading ± 2 digits					
	Voltage resolution	1V					
	Current Accuracy	± 1.5% of full scale reading ± 2 digits					
	Current Resolution	1% of full scale					
	Timer Range	0.0001-9999 Seconds Auto Ranging ,Digital Timer					
	Timer Accuracy	±0.05% ± 2 Counts					
	Duty Cycle	30 Min ON, 10 Min OFF					
	Mode of Operation	Manual					
	Display	LED Seven Segment Digital Display Meters					
	Indications	Bright LED for Power ON & Test ON					
	Mains Supply	230 V AC ± 10%, 1 Phase, 50/60Hz					
	Protection and Safety	Fast blow glass fuse Over current tripping					
	Operating Temperature	0-55°C, 5-90% RH Non Condensing					
	Output Current leads	PVC insulated 2.5 sq. mm cu cables 2X1.5mtr lug at both ends	PVC insulated 10 sq. mm cu cable 2X1.5mtr lug at both ends	PVC insulated 16 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	
*We also provide customized secondary injection kit as per requirement. Weight & dimensions can vary as per the kV rating.							

Accessories

Standard

- Lead sets
- PVC insulated output current lead set - 1set
- PVC insulated 2.5 Sq.mm Cu cable 2 corex4 mtrs one side banana plug & other side small crocodile clip - 1 no
- PVC Insulated 1.5 Sq.mm Cu Cable 2 core x 4 mtrs one side banana plug & other side small crocodile clip - 2 no
- Mains Power Supply Cord
- Instruction Manual
- Short Link
- Spare Fuse
- Calibration Report
- Warranty Certificate

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 includes continuous improvement of its product. 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%.

Contact Details

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