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Test & Measurement

- sales
- rentals
- calibration
- repair
- disposal

Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

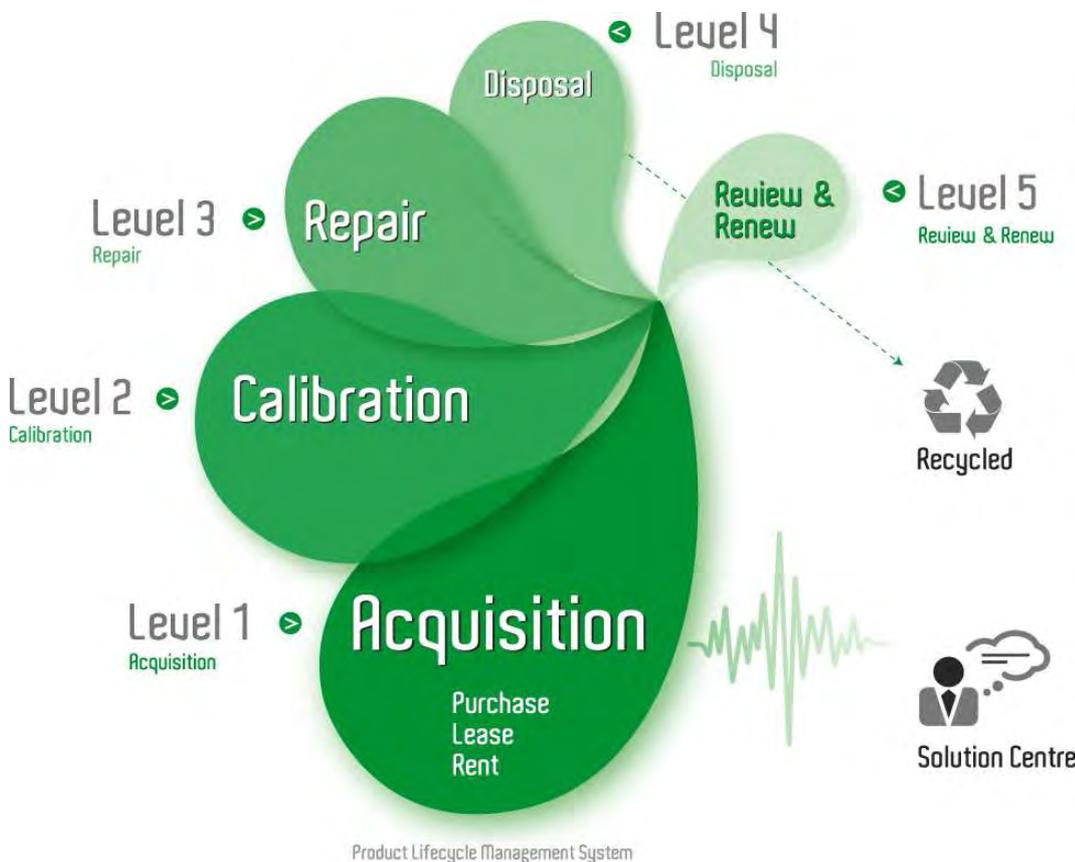
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Product Lifecycle Management System

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Secondary Current Injectors (Relay Testing Kits)



RTS-50



SCT-100

For Routine Testing of Protective Devices

Protective devices such as relays, overload coils and circuit breakers must be checked regularly to ensure that they are always ready to operate correctly if a fault should occur in the equipment which they are protecting. Routine current injection testing will quickly detect faulty or incorrectly adjusted protection gear and will possibly prevent serious damage to plant and injury to personnel. Besides checking that the protective gear functions correctly, it is usually necessary to measure its operating time and all UDEY testers come with a digital time interval meter.

- Control Panel with clear easy to read legend
- Digital / Analogue metering
- Continuously adjustable isolated output
- Built-in Digital Time interval meter
- Auto cut-off
- Fully tropicalised, portable yet rugged

Udey Relay Testing Kits and Secondary Current Injectors are portable, self-contained units for shop or field testing of protective relays, circuit breakers, overload coils, metering and similar protective devices. They incorporate all outputs, instrumentation and control circuitry in a single, compact, rugged enclosure. For additional protection, the enclosure has an external cover.

General Specifications

Input	240V \pm 10%, AC, 50/60Hz
Digital Timer	4 digit, 12.5mm LED, solid state, crystal base, time interval measuring system, 5 ranges from .0001 to 9999 seconds
Accuracy	\pm 0.5% + 1 count
Timer Control Circuits . . .	Timer automatically starts when output is initiated and automatically stops when the device under test operates
Test Conditions	Normally open contacts (potential free) Normally closed contacts (potential free)
Auto cut-off	Cuts off output on operation of device under test
Operation	A SET/ TEST switch is provided so that the appropriate test current can be set up before the test is actually carried out, and to avoid damage to relay coils by disconnecting the test current after the relay has operated

Secondary Current Injector SCT-100

Output	Two independently adjustable isolated outputs available simultaneously
AC Current . . .	0 - 7.5V at 100A 0 - 10V at 75A 0 - 15V at 50A 0 - 35V at 20A 0 - 75V at 10A 0 - 150V at 5A
AC Voltage . . .	0 - 250V at 2A
Metering	Digital Ammeter displays current output in 20-100A. Digital Voltmeter displays voltage output up to 300V, 3 digit, 12.5mm LED display
Accuracy	\pm 1% \pm 3 digits

Relay Testing Kit RTS-100

Output	Two independently adjustable isolated outputs available simultaneously
AC Current . . .	0 - 2.5V at 100A 0 - 5V at 50A 0 - 12V at 20A 0 - 25V at 10A 0 - 50V at 5A 0 - 250V at 1A
AC Voltage . . .	0 - 250V at 2A
Metering	Digital Ammeter displays current output in 2-20-100A. Digital Voltmeter displays voltage output up to 300V, 3 digit, 12.5mm LED display
Accuracy	\pm 1% \pm 3 digits

Relay Testing Kit RTS-50

Output	
Current	0 - 50A at 20V AC 0 - 25A at 40V AC 0 - 5A at 150V AC 0 - 1A at 250V AC
Each of these outputs has a separate terminal referred to one common terminal.	
Duty Cycle . . .	15 min ON/15 min OFF
Voltage	0-220V, 1A, DC continuously adjustable, non-floating output 0-250V, 1A, AC continuously adjustable, fully floating auxiliary output
Each of these outputs has a separate pair of terminals.	
Metering	Current/Voltage: Digital 12.5mm LED meters
Current	Displays output in Amperes 0-2-20-50A, 3.5 digit, measuring resolution of 1mA
Accuracy	\pm 1% \pm 5 digits
Voltage	Separate meters for AC and DC outputs 3-digit range, 300V
Accuracy	\pm 0.5% \pm 2 digits

Relay Testing Kit RTS-5

Output	
Current AC . . .	1-2-5-10-20A AC at 4V and 10V (Open Circuit Voltage) 50-100-200A AC at 4V (Open Circuit Voltage)
Capacity	600VA
Metering	96mm sq. meter, CT operated, scaled 0-100%, to read above current ranges
Accuracy	\pm 2 fsd
Voltage AC . . .	0-270V AC, continuously variable
Capacity	500VA
Metering	96mm square meter, 0-300V
Accuracy	\pm 2 fsd
Voltage AC . . .	50V at 2A AC or 110V at 2A AC
Duty Cycle . . .	Intermittent
At 10 Volts . . .	Continuous up to 10A 5 minutes ON/10 minutes OFF at 20A
At 4 Volts . . .	Continuous up to 50A 5 minutes ON/10 minutes OFF at 100A 1 minute ON/OFF at 200A

Custom built testers can also be manufactured.

Specifications subject to change due to continuous upgradation.

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