

STL HV Test Systems

Models

ACTS50 —10

ACTS50 — 5

Features

- Dry type construction
- Fully tropicalised
- Lightweight with small footprint
- Continuously variable output voltage
- Direct metering on high voltage output
- Variable overload protection with visual indication
- Customer and zero-volt interlocks fitted as standard
- Key operated switching preventing unauthorised operation



Applications

The **ACTS** series of high voltage **Alternating Current Test Systems** are ideally suited for testing the insulation integrity of electrical plant and systems. The **ACTS** test system can be utilised for testing switchgear, transformers and machines both on and off site.

Description

The ACTS50 —10 high voltage **Alternating Current Test Systems** give the commissioning and testing engineer access to a unique range of products. This generation of test systems incorporates the latest advances in cast resin technology. This gives a high voltage unit that incorporates dry insulation technology which in turn gives a very lightweight unit with an extremely small footprint.

The control unit incorporates many features as standard and is available in two capacities - 5KVA and 10KVA. The features include metering of both voltage and current on the HV side, variable current overload trip system, key operated supply switch, customer and zero volt interlock systems, digital metering of voltage ,current and test duration time.

The control unit is housed in a robust case for laboratory use. Alternatively the control unit can be housed in very robust transit case.

The HV unit is housed in a robust transit case and mounted on braked swivel castors for mobility.

Specification

Supply: 230V ac 50 / 60Hz 1 phase +/-10%

Types: ACTS50 —5 ACTS50-10

Continuous rating:	50mA	100mA
Intermittent rating:	100mA	200mA
Output voltage:	50kV ac	50kV ac

Intermittent rating based on a duty cycle of 5 minutes ON load followed by 15 minutes OFF load

Metering: 3.5 digit single range LED meters housed in the control but monitoring the output voltage and current on the HV side of the test transformer. 0 - 999 second LED test timer which can be preset by the operator

Protection: Individual MCB protect the mains supply and the control supply. The high voltage output is protected by an adjustable (10-110% of the secondary current) electronic overload trip with visual indication.

Interlocks:

1. Zero voltage interlock
2. Customer external low voltage interlock
3. Key operated supply initiation

Dimensions:	Control unit 1(Laboratory style)	290 x 585 x 500 mm	32 kgs
	Control unit 1(Field use))	310 x 860 x 500 mm	53 kgs
	Control unit 2(Laboratory style)	290 x 585 x 500 mm	45 kgs
	Control unit 2(Field use))	310 x 860 x 500 mm	66kgs
	HV unit	470 x 519 x 900 mm	125 kgs
	HV unit (With Field case)	470 x 519 x 912 mm	156 kgs

System accessories: Operating and maintenance manual, supply , metering and interconnecting cables, manual earthing stick, protective transit cases

Operating conditions: 0 to 45 degrees C 90% RH non—condensing

Storage conditions: -20 to 60 degrees C

CE conditions: Meets specification EN61010

STL Test Systems

Unit1 Townsend Industrial Estate, Waxlow Road, London, NW10 7NU, UK

Telephone: 0208 965 9505 Fax: 0208 961 1499 e-mail: sales@stewart-transformers.co.uk

NB Due to Company's continuous research programme the information in this product data sheet may change at any time without prior notification.