

# STL *HV Test Systems*

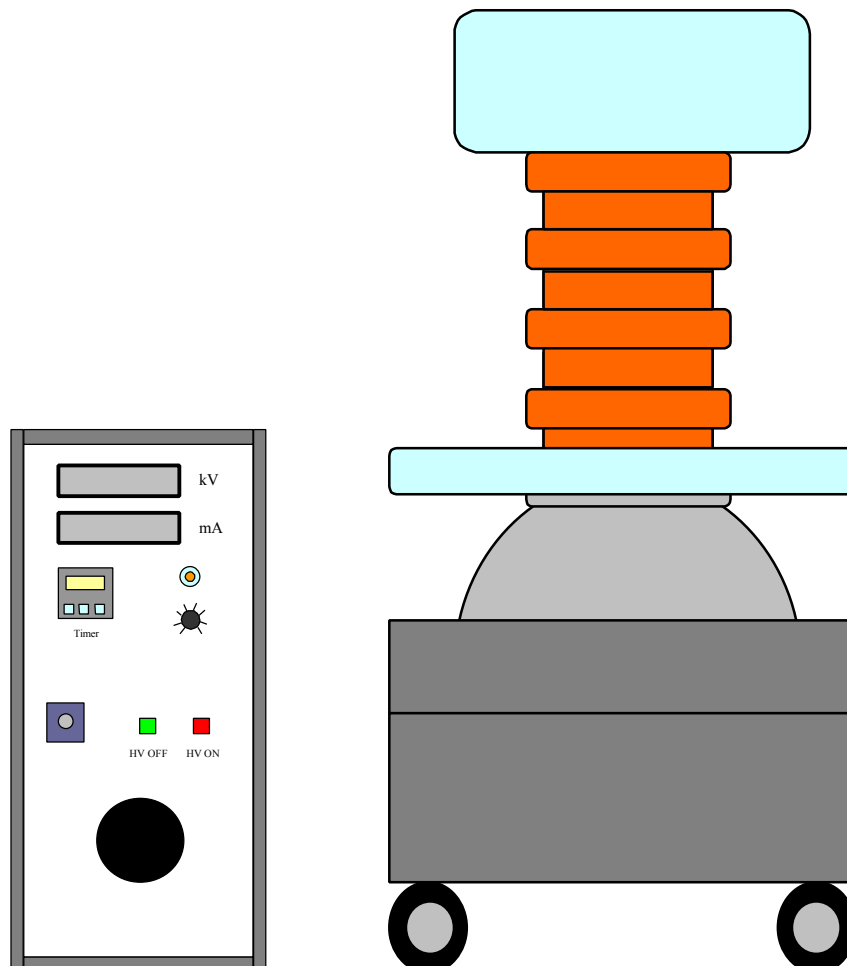
## **Models**

ACTS100 —10

ACTS50 —10

## **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 ACTS100—10 and 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 scheme incorporates many features as standard. These include metering of both voltage and current on the HV side, variable current overload trip system, key operated, customer and zero volt interlock systems, digital metering of voltage , current and test duration time.

The control unit is housed in a protective transit case together with all accessories.

The HV unit is mounted on braked swivel castors for mobility

## Specification

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

Types: ACTS50 —10 ACTS100 —10

Continuous rating: 5KVA 5KVA  
Intermittent rating: 10KVA 10KVA  
Output voltage: 50kV ac 100kV 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 290 x 380 x 500 mm 41 kgs (With protective transit case)  
HV unit 450 x 450 x 750 mm 102 kgs (With protective transit case)

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

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