

THREE PHASE METER TEST STATION TS305 ICT



The Three Phase Auto Meter Test Station TS305 ICT is designed for testing three phase meters with the voltage link open or closed. Complete with suspension rack suitable for testing single and three phase meters and available in sizes from 3, 6, 12, 16 and 20 positions. The TS305 ICT comes complete with individual scanning heads for electronic meters and electromechanical meters and an error display per meter position.

The ICT's can be bypassed so that normal higher accuracy testing is possible. In accordance with IEC 60736

With automatic switching of measuring range;

Accuracy: 0.05 % with open link operation and bypassing the ICT's.
0.2% (0.25A to 100A) with closed link operation and with ICT's in circuit.

Current range: 3x10mA to 100A (200A options available)

Voltage Range: 3x40V and 220V/240V (480V options available)

The measuring system has an integrated RS 232C/485 interface for external program control via PC or the built-in keypad module for manual operation of the station without PC.

Reference Meter:

Accuracy: 0.05 or 0.1%

Isolation current transformers:

Accuracy class: 0.1 ($\cos\phi=0.5$ C-1-0.5L, 0.25-100A)

Primary current: 3x0.25-100A secondary current: 3x0.25-100A

Output power: 30VA (Max. @100A)

Power Source:

Completely independent three phase voltage and current output. Each phase individually settable U1, U2, U3 and as well I1, I2 and I3. Optionally harmonic injection of voltage and current can be injected simultaneously or separately.

Main power supply: 230V \pm 5%, 50Hz \pm 5%. Others on request.

Phase angle: 0 $^{\circ}$ -359.99 $^{\circ}$, Resolution: 0.1 $^{\circ}$

Frequency range: 45Hz to 65Hz, Resolution: 0.01Hz

Voltage Output:

Electronic protection in case of overload and short circuit conditions;

Accuracy and Distortion: better 0.2%, \leq 0.5%

Current Output:

Electronic protection in case of overload and open circuit conditions;

Accuracy and Distortion: better than 0.2%, \leq 0.5%

Software:

Windows based Software for the automatic testing of single and three phase meters, including starting tests, creep testing, variable current load, variable voltage supply, dial Testing, harmonic injection (optional), printout of test results.

Meter Mounting Rack:

Meters under test are mounted on an aluminium test rack, which is equipped with individual error displays and scanning heads and interchangeable quick connectors, suitable for both BS and DIN configurations. An emergency stop switch is provided on the meter rack for disconnection of supply to the meters under test.