

SINGLE PHASE METER TEST STATION TS101 40



A single phase, Fully Automatic Meter Test Station, complete with integrated or separate suspension rack for up to 40 single phase meters. With an individual scanning head per position for electronic and electromechanical meters and with individual error displays.

The TS101 40 displays various quantities such as voltage, current, frequency, phase angle, energy, power, etc, on PC or optionally on a built in LCD module. It also determines precise values of voltage and current: up to 0.1%.

In accordance with IEC 60736

With automatic switching of measuring range;

Current range: 10mA to 120A) (200A options available)

Voltage Range: 30 to 300V phase-neutral

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

Reference Meter:

Accuracy : 0.1% (optional 0.05%)

Power Source:

A single phase switch mode amplifier (85% efficiency). Complete with independent voltage and current outputs. Optional, harmonic injection of voltage and current, can be injected simultaneously or separately.

Description

Voltage Output:

Output power: 100 to 600VA (dependant on No of positions)

Electronic protection in case of overload and short circuit conditions;

Accuracy: better 0.1%

Distortion: $\leq 0.5\%$

Current:

Output Power: 300 to 1500 VA (dependent on No of positions)

Electronic protection in case of overload and open circuit conditions;

Accuracy: better than 0.1%

Distortion: $\leq 0.5\%$

Phase angle: $0^\circ \dots 360^\circ$ Resolution: 0.01°

Frequency range: 45Hz to 65Hz

Resolution: 0.01Hz

Electronically generated sine waves

Main power supply: 230V $\pm 15\%$, 50Hz $\pm 5\%$. Others on request.

Software:

Windows based Software for the automatic testing of single 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:

An aluminium test rack for up to 40 single phase meter positions. With individual error displays and scanning heads, for testing electronic and mechanical meters. A motorized arrangement exists for lifting the scanning heads, for ease of loading and unloading. With individual quick connection devices and a MSVT for testing single phase meters without removing the link