

Three Phase Meter Test Station TS305 40



A three phase, fully automatic Meter Test Station, complete with integrated or separate suspension rack for up to 40 three phase meters. With an individual scanning head per position for electronic and electromechanical meters and with individual error displays. The TS305 40 displays various quantities such as voltage, current, frequency, phase angle, energy, power, etc, on a PC or the built in LCD module.

In accordance with IEC 60736

With automatic switching of measuring range;

Accuracy: 0.05 %
Current range: 3x0.1A to 120A (200A options available)
Voltage Range: 3x57.7V/63.5V 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%

Power Source:

For three phase meters, complete with independent voltage and current outputs. Optional, harmonic injection of voltage and current can be injected simultaneously or separately.

Voltage Output:

Output power: 100 to 750VA (dependant on number of positions)

Output Voltage: Max.300V or 600V

Electronic protection in case of overload and short circuit conditions;

Accuracy: better 0.3%

Distortion: $\leq 0.5\%$

Current Output:

Output Power: 300 to 1800 VA (dependent on number of positions)

Electronic protection in case of overload and open circuit conditions;

Accuracy: better than 0.3%

Distortion: $\leq 0.5\%$

Phase angle: 0°-359.99° Resolution: 0.1°

Frequency range: 45Hz to 65Hz

Resolution: 0.01Hz

Electronically generated sine waves

Main power supply: 230V $\pm 10\%$, 50Hz $\pm 5\%$. Others on request.

Software:

Windows based Software for the automatic testing of 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:

An aluminium test rack for up to 40 three 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.