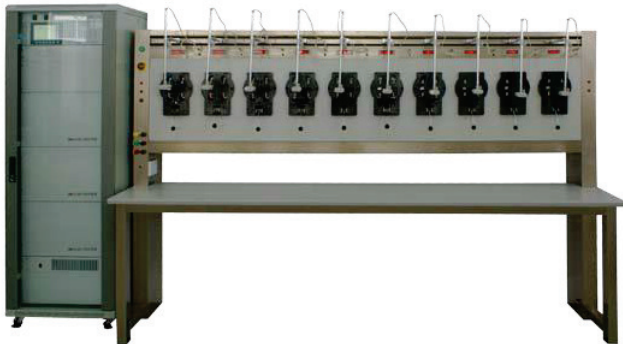


CL3000

THREE PHASE KWH METER TEST BENCH



Application

Applied in the measurement centre of grid company, energy measurement department of power supply company and energy management utility, industrial enterprise and meter manufacturers.

Features

- Equipped with CL3112/CL311V2 (three phase multi-function reference meter) and CL303 (program-controlled three phase power source), which can be separately used and are convenient for testing.
- Operate automatically or manually.
- Automatically calculates the waiting time of starting and shunting experiments.
- High accuracy, 6-digit display, the energy relative errors are no more than $\pm 0.05\%$ ($\pm 0.1\%$) within the measuring range.
- Wide measuring range which can be automatically switched.
- Large LCD display with high resolution and simple interface for operation.
- Able to test close-link meter.

Function

- Able to calibrate all kinds of electronic and inductive single phase and three phase kWh meter.
- Able to perform automatic measurement like shunting, basic errors, standard deviation, and etc.
- Able to test the error caused by voltage, current and harmonic affection.
- Able to check the same type meters with different constants.
- Able to print out all kinds of test reports with the standard forms.
- Able to test voltage, current, active/reactive/apparent power, phase, power factor, frequency, and etc.
- Calibrate voltage/current of each phase, phase difference, active/reactive/apparent power of each phase, total active/reactive/apparent power, total power factor, frequency, and etc.
- Display the real-time vector chart and waveform of voltage and current.
- Able to set 2-21 times harmonic of voltage and current, measure the waveform distortion and harmonic content, and display harmonic chart.
- Automatically test the symmetry of three phase voltage & current and the max. value of three-phase difference.
- Provide standard pulse output ; the pulse constant