

Three-phase energy test equipment

- ▶ Usage rate of power supply reaches 90%.
- ▶ Protection against voltage & current overload.
- ▶ Automatic/Manual test via embedded keyboard or PC software.
- ▶ Precision three-phase meter(class 0.05) and Rs232 interface integrated.
- ▶ Calibration software is under WINDOWS 98/2000/XP, storage, searching and print of results is available.
- ▶ Standard clock and GPS satellite time checking



Test bench is capable of:

Test basic error

Test reference deviation (S)

Starting test automatically / manually

Phase rotation test

24 hours variation test

Demand error test

Clock error test

Harmonic test

This three-phase meter test equipment is a new-generation, high precision system, applicable to test of both single-phase meter and three-phase meter. Using advanced technology, its design complies with national standards. The equipment is of duralumin configuration, with digital control signal source, PWM power amplifier, high precision reference meter, error processing system and auto-calibration software. With PMW modulation power amplifier, this kind of test equipment offers the features of large power, high reliability and high cost performance, as an ideal product for meter manufacturers. New digital synthetical sine signal source provides various functions and high stability. With modularized design, the equipment is good for customization and functional expansion.

Technical specification

Accuracy	class 0.1 / 0.05 (at user's request)
Output range	Output voltage: 3 X 60V / 120V / 240V / 420V Output current: 3 X 0.1 ~ 120A
Adjustable range	Voltage: 0~120%, resolving power: 0.01% Current: 0~120A, resolving power: 0.0001A (min) Phase shift range: 0~360.0, resolving power: 0.1 Frequency: 45~65Hz, resolving power: 0.01Hz
Power factor stability	< 0.02% (100s)
Waveform distortion coefficient	voltage/current < 0.5%
Harmonic output Capacity	2 nd ~21 st harmonic < 40% 3 rd , 5 th , 7 th harmonic of each harmonic coupler, capacity <10%
Starting current	2mA (min)
Starting current/power factor measurement:	5% (2mA)
meter position	6 (8, 12, 16 according to requirement)
communication interface	RS485 or at request
input power	3 * 220V / 380V + 10%, 50Hz Max. input current: 3 * 10A
Measures	2370 (W) * 1505 (H) * 750 (D) / mm