

Drawing of YC1891D/G Single Phase Meter Test System



Features & Functions:

- Meters under testing: 1P2W
- Testing mode active power, reactive power With MSVT, can test single phase meters with closed links between the current and voltage measuring circuits (I-P links) with current output switch, can calibrate 2-element meters (optional)
- Installing Rs232 Ethernet communication ports in each meter position, to realize automatic calibration of electronic meters (optional)
- The meter test systems can measure mechanical meters, electronic mechanical meters and electronic meters by the way of automatic, semi-automatic or manual operation
- Aluminium alloy material, light and strong and corrosion resistant
- Automatic positioning rotor mark of disc of mechanical meters, with more efficiency.
- The swing together of the scanning heads simplifies the control
- Starting test and creeping test
- Measuring different constants of meters synchronously
- With the protection function of overload, short voltage circuit and open current circuit
- The testing software with friendly Window 10 and XP operation system, includes functional module of all kinds or modern energy meter needed, to reality error test, harmonic test, demand test, influence test etc.
- The stored testing data can be transferred to multi-format for other program use
- The whole system is accredited to conforms to EU health and safety standards with CE certificates

Technical Specification for YC1891D/G Single Phase Meter Test System

Application Conditions and Requirement					
Environment			Power Requirement	Safety	
Operation Temperature	Humidity	Altitude	Voltage Supply	IP Class	Conformity
-10°C--40°C	35%--85%	< 2500m	3x220/380v±10% (or customized) 50/60Hz±2Hz	IP 30	CE conformity
Type		YC1891D-6	YC1891D-12	YC1891D-24	YC1891D-48

Number of meter positions	6	12	24	48
Accuracy	0.05			
Power Source	YC8-101-250	YCS-101-600	YCS-101-1200	YCS-101-2500
Standard Meter	SZ-01A-K3			
MSTV	HJ200G-6	HJ200G-12	HJ200G-24	HJ200G- 48
Scanning Head	YCG-2-series			
Voltage				
Test voltage output (Phase-Neutral)	24V-300V (or customized)			
Power of the voltage output	Max.100VA	Max.250VA	Max.500VA	Max.1000VA
Resolution	Better than 0.01% of full scale value of range			
Setting accuracy	Better than 0.05% at the final range value			
Stability	Better than 0.005%/h(integration time 150 s)			
Load regulation from O-max.load	Better than 0.01%			
Distortion factor	Better than 0.3% for linear resistance load			
Harmonics	2nd – 41st free programmable			
Current				
Test current output	1mA-120A/200A			
Power of the current output	Max.250VA	Max.500VA	Max.1000VA	Max.2000VA
Resolution	Better than 0.01% of full scale value of range			
Setting accuracy	Better than 0.05% at the final range value			
Stability	Better than 0.005%/h(integration time 150 s)			
Load regulation from O-max.load	Better than 0.01%			
Distortion factor	Better than 0.3% for linear resistance load			
Harmonics	2nd – 41st free programmable			
Phase angle				
Phase angle	0°-360°			
Resolution	0.01°			
Setting accuracy	0.1°			
Frequency				
Range	45Hz-65Hz			
Resolution	0.01Hz			
Error display				
Type of error display	Red LED			
Resolution of the error displays	8 digits			