

Drawing of Portable Three Phase Standard Meter - YC98S1



Dimension (mm) (W×H×D)	Main instrument	245x168x67
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Weight (kg)	Main instrument	1.5 kg
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Features & Functions

- 0.05% High accuracy (direct connection)
- With 7 inch 480x234 dot TFT color screen
- Wide voltage supply range: 55V~480V
- Connection with current clamp: standard 100A.
- From 5A to 2000A current as option.
- Two ways for power supply: external AC power supply or test lead power supply

Technical Specification for Portable Three Phase Standard Meter - YC98S1

Application Conditions and Requirements				
Environment			Safety	
Operation Temperature	Relative Humidity	Altitude	IP Class	Conformity
-25°C~+45°C	40%~95%	<2500m	IP30	CE conform
Type			YC-98S1	
Test voltage				

Range	30V-480V
Error	±0.05%
Harmonic	2 nd -51 st
Test current	
Range(direct connection)	0.05-10A
Range(clamp CT)	100A 5A,500A,1000A,2000A (option)
Error(direct connection)	±0.05%
Error(clamp CT)	±0.2%(5A,100A) ±0.5%(other)
Harmonic	2 nd -51 st
Power measure error	
Active power(direct connection)	±0.05%
Active power(clamp CT)	±0.2%(5A,100A) ±0.5%(other)
Reactive power(direct)	±0.1%
Reactive power(clamp CT)	±0.2%(5A,100A) ±0.5%(other)
Energy measure error	
Active energy(direct)	±0.05%
Active energy(clamp CT)	±0.2%(5A,100A) ±0.5%(other)
Reactive energy(direct)	±0.1%
Reactive energy(clamp CT)	±0.2%(5A,100A) ±0.5%(other)
Phase angle	
Range	0°-360°
Error	±0.05°
Frequency	
Range	45Hz-65Hz
Pulse output	
High frequency output(CH)	--
Low frequency	3600imp/kWh
Pulse ratio	1:1
Output level	5V
Pulse input	
Input channel	2
Input level	5-10V
Input frequency	Max.100Hz
Display	
Resolution	7"TFT colour
Function	
Vector diagram	●
Waveform	●
Energy accumulation	●
CT ratio test	●



Local parameter input	●
Wiring emulation	●
Self-calibration	●
Recorder check	●
Data storage	●
Data storage qty	5000
External extend	●
Screen printing	●
Communication port	USB/RS232
Communication with	●
Upload data	●
External mini printer	●
External keyboard	●
Other	
Voltage Supply way	External power Test lead power
Voltage Supply	55-480V,50/60Hz

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