

## Drawing of YC-9901 Single / Three Phase Standard Meter



<b>Dimension (mm) (W×H×D)</b>	<b>Main instrument</b>	<b>323x275x135</b>
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<b>Weight (kg)</b>	<b>Main instrument</b>	<b>4.25 kg</b>
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### Features & Functions:

- High accuracy up to 0.02%
- Metal structure, strong and reliable
- Waveform display function
- Vector diagram function
- Energy accumulating function
- Large size display screen, direct viewing and convenient
- Internal communication port for PC control
- Multi power supply ways for different testing occasions
- Large capacity storage device for mass memory

## Technical Specification for YCTC-9901 Transformer Opacity Tester

Application Conditions and Requirements				
Environment		Safety		
Operation Temperature	Relative Humidity	Altitude	IP Class	Conformity
-25°C-+45°C	40%--95%	<2500m	IP51	CE conform
<b>Type</b>		<b>YC-9901</b>		
<b>Test Voltage</b>				

Range	30-480V
Error	±0.02%
Harmonic	2 <sup>nd</sup> -61 <sup>st</sup>
<b>Test Current</b>	
Range(direct connection)	0.2-12A
Range(clamp CT)	100A
	5A,500A,1000A,2000A (option)
Error(direct connection)	±0.02%
Error(clamp CT)	±0.2%(5A,100A) ±0.2%(5A,100A)(other)
Harmonic	2 <sup>nd</sup> -61 <sup>st</sup>
<b>Power measure error</b>	
Active power(direct connection)	±0.02%
Active power(clamp CT)	±0.2%(5A,100A) ±0.5%(other)
Reactive power(direct)	±0.1%
Reactive power(clamp CT)	±0.2%(5A,100A) ±0.2%(5A,100A)
<b>Energy measure error</b>	
Active energy(direct)	±0.02%
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)
<b>Phase angle</b>	
Range	0°-360°
Error	±0.05°
<b>Frequency</b>	
Range	45Hz-65Hz
<b>Pulse output</b>	
High frequency output(CH)	100--1.2x108
Low frequency	3600imp/kWh
Pulse ratio	1:1
Output level	5V
<b>Pulse input</b>	
Input channel	2
Input level	5-10V
Input frequency	Max.100Hz
<b>Display</b>	
Resolution	8.4"TFT color(640 x480)
<b>Function</b>	
Vector diagram	●
Waveform	●
Energy accumulation	●
CT ratio test	●
Local parameter input	●
Wiring emulation	●
Self-calibration	●
Recorder check	●
Data storage	●
Data storage qty	10000
External extend	●
Screen printing	●
Communication port	USB/RS232

Communication with	•
Upload data	•
External mini printer	•
External keyboard	•
<b>Other</b>	
Voltage Supply way	External power
	test lead power
Voltage Supply	55-480V,50/60Hz

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