

Transformer power tester series



Product Detail:

CH400 transformer coulometer can be widely applied in test on production line of small manufacturer of transformer or rectifier power or in labs. The meter adopts digital synchronous sampling and micro technology to accurately measure true RMS of transformer's primary voltage, current, power, power factor, true RMS (AC) or average (DC) of secondary voltage and current, true RMS of secondary voltage ripple. Built-in electric load can make the instrument conveniently perform idling/load conversion.

The meter has the characteristics of having high speed, high accuracy, easy operation and direct display.

Feature:

- New circuit design
- Dual control of CPLD and MCU
- High speed, high accuracy
- 4-terminal mode of resistance measurement
- Wide measurement range

Specifications:

Model Parameter	CH400	CH402	CH403	CH403C
Measurement parameters	Primary Voltage/current/power/ power factor; Secondary voltage/current/power	Primary Voltage/current/power; Secondary Voltage/current	Primary voltage,idling current,idling/load voltage, load current,ripple voltage, idling power/load primary current/efficiency/power factor	
Range	Primary voltage 300V/current 2A/0.2A; Secondary voltage 100v/current 20A/2A		Primary voltage 300V,idling current 2A/0.2A,idling load Voltage 60V,load current 5A,ripple voltage 5000mv	
Basic accuracy	0.5%			
Display mode	7-window LED	5-window LED	7-window LED	
Main functions	Parameter setup,high&low limits secondary voltage/current/D		Parameter setup,high & low limits alam,secondary voltage/current A/D,idling load autotell	
Built-in electric overload	No			60V/5A/100W
Interface	PRINTER	No	PRINTER,RS232C(option)	
Dimensions	350mm×110mm×340mm(W×H×D)			
Power requirement	198-242VAC 47.5-52.5Hz			
Working temperature&	0°C~40°C,≤90%RH			

humidity		
Power consumption	$\leq 30VA$	
Weight	Approx.4.5kg	Approx.5kg

Current measurement accuracy	0-9.9999A	$\pm(0.05\%+0.05\text{FS})$	0.1mA	$\pm(0.05\%+0.05\text{FS})$	0.1mA	$\pm(0.05\%+0.05\text{FS})$	0.1mA
	10.000-30.000/60.000A	$\pm(0.05\%+0.05\text{FS})$	1mA	$\pm(0.05\%+0.05\text{FS})$	1mA	$\pm(0.05\%+0.05\text{FS})$	1mA
Battery test function	Input= 0.8-120V/500V Max measurement capacity= 999A/H Resolution=0.1mA Timer range=1~60000sec						
Dynamic test mode	T1&T2(A or B test time):0.1mS-999S Error<2.5% + 0.1mS						
Protection range	>specified condition 5%						
Impedance in the input terminal	$\geq 200\text{K}\Omega$						
Dimensions	W*H*D 230mm*100mm*350mm						
Weight	6.5Kg						