

ETCR[®] EM9600 Low Voltage Transformer Transformation Ratio Tester



Product Function

Online test the leakage current, current, transformation ratio, ratio error, angle error, phase difference and polarity of the primary and secondary circuit of the current transformer in the 380V/220V distribution system.

Product Features

1. Current clamp adopts high performance Permalloy core, magnetic shield and CT digital integrated technology, with strong anti-interference ability, high accuracy, and stability for testing.
2. Large caliber current clamp, suitable for all testing environments, convenient and fast for field testing.
3. Data hold function, data storage function.

Technical Specification

Primary Current Clamp Test Accuracy	Range: 0.0A~800A; Resolution: 0.1A; Accuracy: $\pm 0.5\%FS$ ($23^{\circ}C \pm 3^{\circ}C$, below 70%RH, the conductor should be in the center of the clamp)	
Secondary Current Clamp Test Accuracy	Range: 0.00mA~5A; Resolution: 0.01mA; Accuracy: $\pm 0.5\%FS$	
Transformation Ratio Measurement Range	1~9999	
Transformation Ratio Resolution	0.1	
Angle Error Test Accuracy	Range: 0° ~ 360° ; Resolution: 1° ; Accuracy: $\pm 3^{\circ}$	
Automatic Shut Down	15 minutes after boot up, the meter shuts down automatically without any operation	
Power Supply	DC6V Alkaline dry batteries (LR03 1.5V X4PCS), continues working about 30 hours	
Battery Voltage	When battery voltage is lower than 4.8V, low battery voltage symbol " ⎓ " display and remind to replace battery.	
Overflow Display	Exceed measure range overflow function: "OL A" symbol display	
Sampling Rate	3 times/second	
Storage Data	3000 groups	
Primary Current Clamp Size	Jaw Size: 80mmX80mm	Shape Size: 194mmX145mmX40mm
Secondary Current Clamp Size	Jaw Size: $\phi 16\text{mm}$	Shape Size: 110mmX53mmX22mm
Host Dimension	78mmX165mmX42mm	
Current Clamp Cable Length	2m	
Instrument Weight	About 2.1kg (include accessories)	
Working Temperature	$-10^{\circ}C$ ~ $50^{\circ}C$; Below 70%RH	
Store Temperature	$-10^{\circ}C$ ~ $60^{\circ}C$; Below 70%RH	
Insulation Strength	AC3700V/rms between the core and shell	
Accessories	Host: 1PCS; Primary current clamp: 1PCS; Secondary current clamp: 1PCS; Tool bag: 1PCS; LR03 battery: 4PCS	