



ETCR6900 Flexible Coil Large Current Clamp Meter is designed and manufactured for field testing of AC large current. Widely used in electric power, communications, meteorology, railway, oil field, construction, measurement, scientific research and teaching units, industrial and mining enterprises and other fields. Especially suitable for the flat cable dense place, current test of transformer grounding core, thick wire and cable, relay protection, silicon controlled rectifier, frequency conversion speed regulation, semiconductor switch, power electronic conversion equipment, arc welding and other industrial environment with serious signal distortion.

Flexible current clamp sensor, Rogowski Coil, adopts advanced Rogowski Coil technology, which is a loop coil uniformly wound on non-ferromagnetic materials, with no hysteresis effect, almost zero phase error, no magnetic saturation, high linearity and strong anti-interference ability. The output signal is the differential of the current with respect to time. By integrating the output voltage signal, the input current can be truly restored. The measured current ranges from milliamperes up to ten thousands of amperes. Flexible coil without any exposed metal conductor, non-contact measurement, safe and reliable. Small size, light weight, soft and flexible, suitable for narrow environment and flat cable dense places. High measurement accuracy, strong reliability, wide response frequency band, the user can customize the coil length according to demand.

The meter has the functions of peak hold, data hold and data storage etc., convenient to use, which is an essential tool for electrical safety inspection

Specification

Function	AC large current
Power Supply	Zn-Mn dry battery 6F22 9V
Test Method	Flexible CT: The output signal is the differential of current with respect to time. By integrating the output voltage signal, the input current can be truly restored.
Coil Diameter	φ200mm
Range	AC 0.00A~9999A
Resolution	AC 10mA
Accuracy	±2%±3dgt (the wire is at the center of the flexible coil, 23 °C± 2 °C)
Coil Length	628mm
Coil Thickness	φ7.5mm (Suitable for use in narrow environments and cable densely packed place, etc.)

The Measured Current Frequency	50Hz/60Hz(Automatic)
Meter Size	190mm×370mm×40mm
LCD Size	35mm×21.5mm; Display domain: 32mm×15mm
Backlight	with backlight, convenient to use in dark site
Weight	200g
Electric Field Interference	No hysteresis effect, strong anti-interference ability
Position Error	The measured wire should be in the center of the flexible coil as far as possible, not close to the opening and closing mouth, the test error at the opening and closing mouth will increase by one times or more
Sampling Rate	2 times /second
Data Storage	99units, flash display “FULL” symbol indicate storage full
Peak Hold	Peak value capture and hold function, long press POWER key display peak value, and the “ ” symbol display
Data Hold	Data hold function: “DH” symbol display
Line Voltage	Below AC 600V circuit measurement
Overflow Display	Exceed measure range overflow function: “OL” symbol display
Battery Voltage	While battery voltage is lower than 7.2V. low battery voltage symbol display, remind to replace the battery
Rated Current	About 8mA
Working environment	-10℃~40℃ ; below 80%rh
Store environment	-10℃~60℃ ; below 70%rh
Insulation Resistance	100MΩ or large more,1000V
Suitable Safety Standard	IEC1010-1、IEC1010-2-032、Pollution 2、CAT VI(1000V) ,IEC61326(EMC standard)

Application

Relate Model

Package	outer packing	Carton
	inner packing	Cloth bag
Accessory	Meter	1 PCS
	Cloth bag	1 PCS
	Manual	1 PCS
	Certificate	1 PCS
	Warranty Card	1 PCS

Accessory

