



ETCR7100 / ETCR7100A Large Caliber Leakage Clamp Meter

Product Function

- Measurement of AC Leakage Current, Current, Three Phase AC Voltage
- Large caliber 108mm*148mm can clamp electric cable of 108mm diameter or 160mm*4mm flat cable and steel earth wires
- Full automatically and simultaneously measure one leakage current and three voltages
- Adopt the latest magnetic shielding techniques can almost shield the influence from external magnetic field
- Data memory and peak hold function
- RS232 interface for saving



Technical Specification

Specifications	ETCR7100	ETCR7100A
Model	ETCR7100	ETCR7100A
Current Range	AC: 0.00mA~3200A	AC:0.0A~4000A
Current Resolution	AC: 0.1mA	AC:0.1A
Current Accuracy (23°C±3°C, below 70%RH, measured wire at the center of the clamp)	AC: 0.0mA~499A:±2%±5dgt AC: 500A~999A: ±3%±5dgt AC: 1000A~2999A:±4%±5dgt AC: 3000A~4000A:±5%±5dgt	
Function	Measure AC leakage current, big current (particularly suitable for leakage current measurement of cable and transformer earth steel)	
Clamp Size	108mm×148mm (can clamp electric cable of 108mm diameter, or 160mm×4mm flat cable and steel earth wires)	
Sample Rate	About 2 times/second	
Data Storage	99 sets, "FULL" symbol indicate the memory is full	
Data Hold	"HOLD" symbol appears	
Overflow	"OL" symbol appears	
Automatic Shutdown	Automatically shutdown about 15 minutes after power on to reduce battery consumption	
Voltage Detection	Low battery symbol appears to remind the replacement of battery when the battery voltage drops below 5.2V.	
Backlight	Yes	
Line Voltage	Below AC 600V line measurement	
Communication Wire	RS232 communication wire, 1.8m	
Display Mode	4 digital LCD display, length 47mm×width 28.5mm	
RS232 Interface	With RS232 interface, download data to computer for analysis and management	
Frequency	50Hz ,60Hz automatic identification	
Power Supply	6V DC(LR6*4 alkaline dry batteries, continuously working for 12 hours)	
Working Current	50mA with enabled backlight; 25mA with disabled backlight	
Meter Dimensions	350mm(D)*180mm(W)*55mm(H)	
Weight	1.5kg(with batteries)	
Working Temperature and Humidity	-10°C~40°C; 80%rh	
Storage Temperature and Humidity	-10°C~60°C; below 70%rh	
Insulation strength	AC 2kV/rms(between core and shell)	
Safety Specifications	IEC1010-1, IEC1010-2-032, 2 class of pollution, CAT III (600V)	