Io/Ior MINI DIGITAL LEAKAGE CLAMP TESTER

Io Ior AC CURRENT/LEAKAGE

Model 340IR

FEATURES

- Detection for resistive leakage current (Ior)
- Compact size and light weight
- Conform to IEC safety requirements (IEC1010-1, CAT II 600V)

SPECIFICATIONS

1. CURRENT DETECTION ZCT

Inside diameter : ϕ40㎜
Method : Split core type ZCT
Secondary windings : 2000 turns
Withstanding voltage : AC 2200V/1 minute between CT core and grip

2. MEASURING PART

Measuring function : Leakage current (Io), Line current, Resistive leakage current (Ior)
Measuring Method : Clamp CT (in case of Ior, based on voltage standard)
Measuring range : Io 0-10mA/100mA/1000mA, Ior 0-10mA/100mA
Input frequency range : 45-65Hz (with switch for 50/60Hz)
AC current detection : Dual integration mode
AD conversion : Successive approximation method
Display : LCD, max.9999 reading with annunciator
Data hold indication : "DH" mark on LCD
Sampling rate : 2 times/sec.
Low battery indication : "B" mark on LCD
Circuit voltage : less than AC 600V
Operating temperature : 0~50℃, < 80%RH (without condensation)
Storage temperature : -10~60℃, < 70%RH (without condensation)
Auto power off : Approx. 10 minutes after power on
Power supply : LR03×3
Dimension : 44(W)×197(H)×24(D)㎜
Accessories : Soft Case, Test Lead, Batteries, Instruction Manual

Accuracy (23℃±5℃, less than 80%RH)

Range		Resolution	Accuracy
Ior	10mA	0.001mA	±1.5%rdg ±10dgt
	100mA	0.01mA	±1.2%rdg ±10dgt
Io	10mA	0.001mA	±1.0%rdg ±10dgt
	100mA	0.01mA	±1.0%rdg ±10dgt
	1000mA	0.1mA	±1.0%rdg ±10dgt

Model MCL-400IR

FEATURES

- Can measure the resistive leakage current (Ior) of the grounding lines and other electric circuit without voltage input.

SPECIFICATIONS

1) CT Sensor

Inside Diameter of CT : 40㎜
Influence of External Magnetic Field : less than 5mA nearby 100A conductor.
Withstanding Voltage: AC2200V, 1 minute

2) Measuring Part

Measuring Function : load current, leakage current (Io), resistive leakage current (Ior),harmonics current & voltage (fundamental, 3rd, 5th, 7th, 11th, & 13th), AC voltage.
Measuring Method : CT clamp-on method
Measuring Range : 0-40mA, 400mA, 4A, 40A, 300A. 0~500V
Input Frequency : 45-65Hz
Detection Method : RMS detection through average rectification
A/D Conversion : double integration method
Display : 3.5 digit LCD, max. reading of 4000
Sampling Rate : 2 times/second, 1 time/6 seconds for Ior
Over Range Indication : "OL" mark on LCD readout
Low Battery Indication : Battery mark on LCD readout
Auto Power Off : automatically power off approx. 10 minutes after the final key operation
Data Hold Indication : "DH" mark on LCD readout
Power Supply : 1.5V ("AAA" size, um-4)x3 or AC adaptor (option)
Power Consumption : Approx. 8mA (approx.60 hours with continuous use).
Limitation of Circuit Voltage : Less than AC 500V
Operating Temperature: 0℃~40℃, <80%RH (non-condensing)
Storage Temperature : -10℃~60℃, <70%RH (non-condensing)
Size & Weight : 70(W)×223(H)×34(D)㎜ Approx. 440gs including batteries

Range	Resolution	Accuracy
AC 40mA	0.01mA	±1.0% rdg ± 8 dgt
AC 400mA	0.1mA	
AC 4A	0.001mA	
AC 40A	0.01A	
AC 300A	0.1A	±1.0% rdg ± 1%FS
AC 600V	0.1V	±1.0% rdg ± 8 dgt