

## 2CT Method Mini Digital Clamp Leaker

New measuring method for AC leakage current

Model 2002



This is new measuring method for AC leakage current for single phase power system.

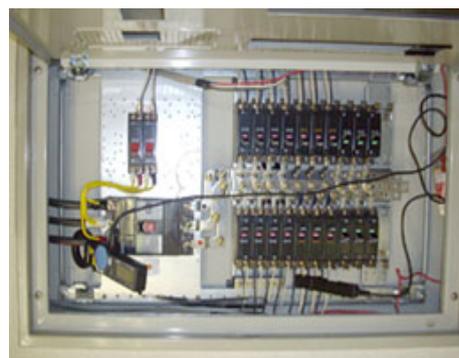
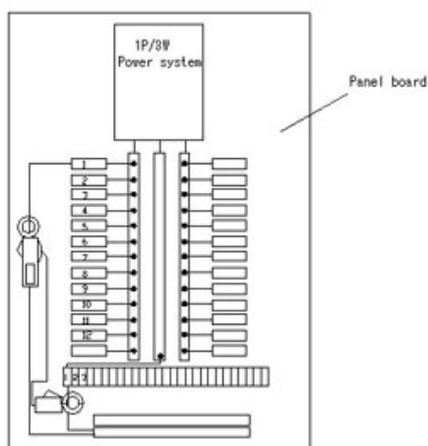
It is useful when working at the field where it is difficult to clamp the whole phase conductors(L&N).

### *FEATURES*

- Compact size and light weight for convenient field use.
- True rms reading with wide range from 1mA to 200A.
- Extensional measurements by combination with optional auxiliary CT.

### *Example of 2CT method leakage current measurements*

There are many single phase panel (breaker) boards which is composed of the single pole breakers. In such panel board, L phase conductor is separated from N phase conductor and it is difficult to clamp whole phase conductors(L&N) by CT. New 2CT method enabled the measurements of leakage current for such panel board as showed below.



## ***SPECIFICATIONS***

Measuring function	: AC leakage current(By 2CT) AC leakage current (By main CT) AC load current
Jaw opening capability	: 40mm $\phi$ (Main CT) 5mm $\phi$ (Auxiliary CT)
Measuring ranges	: 0~200mA/2000mA (Leakage current) 0~20mA/200A (Load current)
A/D conversion	: Dual slope integration mode
AC conversion	: True rms responding
Display	: LCD max. 9999 count with annunciators
Sampling rate	: 2 time/sec.
Over range indication	: "OL" mark on LCD
Data hold indication	: "DH" mark on LCD
Low battery indication	: "B" mark on LCD
Limitation of circuit voltage	: Less than AC/DC 500V
Operating temperature	: 0~40°C, < 85%RH (without condensation)
Storage temperature	: -10~60°C, < 70%RH (without condensation)
Withstanding voltage	: AC 2000V/1 minute between CT and outer case
Auto power off	: Approx. 10 minutes after power on
Power supply	: LR03,AM-4 or AAA size Alkaline battery $\times$ 3
Dimension	: 64(W) $\times$ 195(H) $\times$ 24(D)mm(Main CT) 25(W) $\times$ 114(H) $\times$ 19(D)mm(Auxiliary CT)
Weight	: Approx.190g
Accessories	: Carrying case.....1 Batteries.....3 Instruction manual.....1 Auxiliary CT (CTP-05-2) with 1.5m lead cable.....1

Accuracy (23°C  $\pm$  5°C, less than 85%RH)

Function	Range	Resolution	Accuracy (50/60Hz)
2CT	AC1000mA	0.1mA	$\pm$ 1% rdg $\pm$ 10dgt
	AC10A	0.001A	$\pm$ 1% rdg $\pm$ 10dgt
Main CT	AC20A	0.01A	$\pm$ 1% rdg $\pm$ 10dgt
	AC200A	0.1A	0~100A : $\pm$ 1% rdg $\pm$ 10dgt
			101~150A : $\pm$ 3% rdg $\pm$ 10dgt
		151~200A : $\pm$ 6% rdg $\pm$ 10dgt	

### ***Optional auxiliary CT***

#### **Model ZCT-18-2**



CT inside size :  $\phi$  18mm

Limitation of circuit voltage : Less than AC 600V

Dimension : 45(W) $\times$ 140(H) $\times$ 21(D)mm