

# CT Ratio Error Tester (Type-2700)

## Application

CT Ratio Error Tester can detect abnormal (bad) current transformer(CT) by comparing the 1st and 2nd Ratio Error values and its Phase Angle values on the live wire line. The current transformer(CT) used here are installed mostly for the low voltage customers.

This tester can determine the electric power billing rate's accuracy by comparing voltage and current's phase angle, thus furthering confirmation of the line's wrong connection.



Patent No. 10-1300789



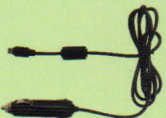
Clamp CT1(Type-2701)



Clamp CT2(Type-2702)



AC Charger



DC Charger (in the Car)



USB Memory



USB Cable

## Features

- Accurate Ratio Error measurement while using on the live wire line, detecting & finding bad current transformer(CT).
- Preventing wrong connections in the power meters from the beginning of its installation.
- The nominal Ratio Error value indication display and its data saving.
- Watt-hour meter's Current Transformer(CT) uses 1st and 2nd phase value with its Ratio Error value for retrieval of ratio calculation.
- This tester detects voltage phase by non-contacting on the insulated electricity distribution lines, thus prevents 'on-spot' wrong-connection of both voltage phase and current phase from the beginning of 'watt-hour meter' installation.
- Measured data can be saved into USB memories or PC disk.

## Specifications

● Current detection range	CT1,(5.0~500.0A), CT2,(0.001~5.000A)
● Rated Primary Current / Secondary Current	75, 150, 200, 250, 300, 400, 500 / 5A
● Ratio Error Measurement Range	0~ 99.9%
● The phase angle detection resolution	Less than 1 degree
● Response time	Less than 1 second
● Current measurement	True RMS
● Voltage phase detection method	Non-contact
● Ratio Error Accuracy	±(0.5% + 2 dgts) of F.S.
● Display	CT1, CT2 Ratio Error, The phase angle difference & Incorrect wiring, ID No., TFT LCD (3.5")
● Operating power	DC 3.7V (Battery : Rechargeable)
● Weight	860g (Include Clamp 1 & 2)

### [product]

- CT Ratio Error Tester(Type-2700)
- Clamp CT1(Type-2701) : 500.0A
- Clamp CT2(Type-2702) : 5.000A
- USB Memory
- USB Cable
- AC Charger : Input AC220V, Output : DC5V(Output mini 5 pin)
- DC Charger(in the Car) : Input DC12V~DC24V, Output : DC5V(Output mini 5 pin)