# AC AMMETER / VOLTMETER — PCD-96
## ( Rectifier Type )

## Ammeter

| Max. scale value | Aapprox. internal resistance or consumption VA | Accessory |
|---|---|---|
| 100µA | 5kΩ | |
| 1mA | 800Ω | |
| 3mA | 350Ω | |
| 5mA | 300Ω | |
| 10mA ∫ 300mA [2] | 0.5VA | — |
| 350mA ∫ 10A | 1VA | |
| 15A [1] ∫ 100A | 1VA | MR-CTN |

Note:

[1] When 100A or 650V circuit voltage is exceeds, current transformer (CT) will external to meter 5A (0.1A,1A).

[2] Ammeter over current protection for 300mA or less also can be manufactured.

**For Cycle Control Wareform Meter**

Please use cycle control for cycle control waveform type.

Type name: PCD-96, External with AT-62MEC

**For Distorted Wareform Meter (Approx. RMS value rectifier menthod)**

Keep in mind please, that standard restifier type will be affected by waveform distortion.

Please use approx. RMS value rectifier method for 3rd harmonics mixed with waveform and SCR waveform.

Type name: PCTD-96, External with AT-62ME

## Voltmeter

| Max. scale value | Approx. consumption current | Accessory |
|---|---|---|
| 3V ∫ 600V [1] | 1mA [2] | — |

Note:

[1] When 600V is exceeds, series resistor will external to meter 1mA.

Please refer to Instrument accessory for the size.

[2] Meter internal resistance up to 10kΩ/V can be manufactured.

**For Cycle Control Wareform Meter**

Please use cycle control for cycle control waveform type.

Type name: PCTD-96, External with VT-62MEC

**For Distorted Wareform Meter (Approx. RMS value rectifier menthod)**

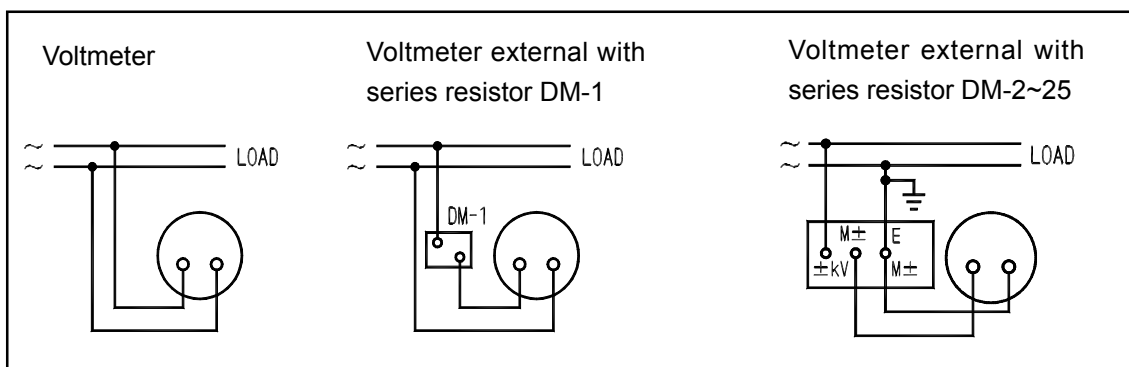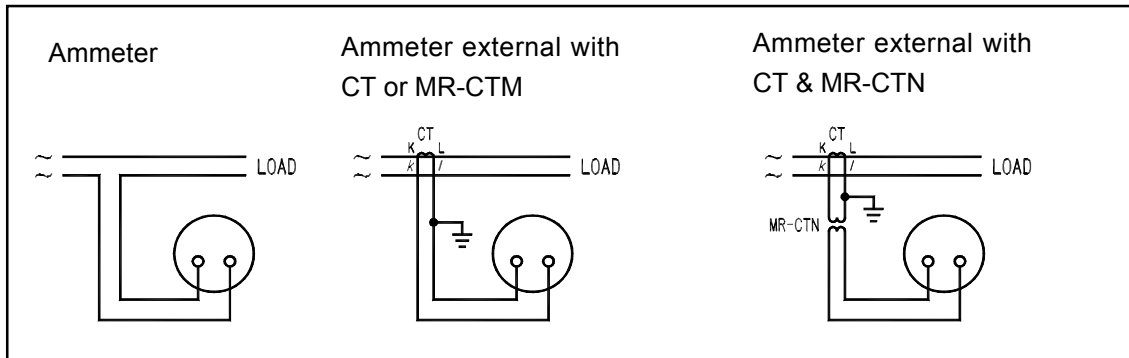Keep in mind please, that standard restifier type will be affected by waveform distortion.

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Type name: PCTD-96, External with VT-62ME

**DAIICHI ELECTRONICS CO., LTD**

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## Connection Diagram

| Ammeter | Ammeter external with CT or MR-CTM | Ammeter external with CT & MR-CTN |
|---|---|---|



| Voltmeter | Voltmeter external with series resistor DM-1 | Voltmeter external with series resistor DM-2~25 |
|---|---|---|



## Dimensions



MR-CTN (15~25A/ 10mA)          MR-CTN (30~100A/ 20mA)



| Current (A) | d |
|---|---|
| 30~ 70 | Φ6.5 |
| 75~100 | Φ8.5 |