

## True RMS new standard



CE

## CD772

### Backlight & Temperature measurement

- 3-3/4 digits 4000 count
- AC True RMS
- Easy to read large LCD with Backlight
- Large breaking capacity fuse 30kA
- K-type thermocouple temperature measurement -20℃~300℃
- Thermo plastic elastomer, high resistance against drop shock
- Safety cap on current terminal
- Data hold, Range hold, Relative function
- Continuity check, Diode test
- Auto power off function (30min.)
- Maximum 20A can be measured if the measurement time is less than 10 seconds. (Take 10 minutes or longer intervals between measurements)

**Display :** numeral display 4000

Sampling rate : 3 times / sec.

**AC frequency bandwidth** : 45~500Hz (4V range), 45~1KHz (40V range and above)

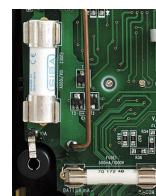
**Safety :** IEC61010-1 (EN61010-1) 2001-02 CAT.III  
600V Max. / CAT.II DC1000V

|        |           |                                                                                     |           |                                                                                     |    |
|--------|-----------|-------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|----|
| RMS    | Hz        |  | CONT. LED |  | °C |
| AP OFF | DATA HOLD | RNG HOLD                                                                            | REL       | BACK LIGHT                                                                          |    |

| Function                      | Measuring range                                                                          | Best accuracy | Resolution | Input impedance                 |
|-------------------------------|------------------------------------------------------------------------------------------|---------------|------------|---------------------------------|
| DCV                           | 400m/4/40/400/1000V                                                                      | ± (0.5%+2)    | 0.1mV      | DCV: 10M~100MΩ<br>ACV: 10M~11MΩ |
| ACV                           | 4/40/400/1000V                                                                           | ± (1.2%+8)    | 1mV        |                                 |
| DCA                           | 400 μ/4000 μ/40m/400m/4/15A                                                              | ± (1.4%+3)    | 0.1 μ      |                                 |
| ACA                           | 400 μ/4000 μ/40m/400m/4/15A                                                              | ± (1.8%+6)    | 0.1 μ      |                                 |
| Resistance                    | 400/4k/40k/400k/4M/40MΩ                                                                  | ± (1.2%+5)    | 0.1Ω       |                                 |
| Capacitance                   | 50n/500n/5 μ/50 μ/100 μF                                                                 | ± (5%+10)     | 0.01nF     |                                 |
| Frequency                     | 5/50/500/5k/50k/100kHz                                                                   | ± (0.3%+3)    | 0.001Hz    |                                 |
| Temperature                   | -20℃~300℃                                                                                | ± (0.3%+30)   | 0.1℃       |                                 |
| Continuity                    | Buzzer sounds and LED lights up at between 0Ω and 85Ω (±45Ω). Open voltage: approx. 0.4V |               |            |                                 |
| Diode test                    | Open voltage: approx. 1.5V                                                               |               |            |                                 |
| Bandwidth                     | 45~500Hz (4V range), 45~1kHz (40V range and above)                                       |               |            |                                 |
| Fuse / Battery                | 0.5A/1000V 30kA Φ6.35X32mm<br>16A/1000V 30kA Φ10X38mm<br>H166WH82XD44mm/360g             | R6P×2         |            |                                 |
| Size / Weight                 | H166WH82XD44mm/360g                                                                      |               |            |                                 |
| Standard accessories included | Test lead (TL-25), Thermocouple K type (K-250CD) Instruction manual                      |               |            |                                 |

### Optional accessories

Clamp probe : CL-20D, CL-22AD, CL33DC HV probe : HV-60  
Temperature probe : K-8-800, K-8-650, K-8-300, K-8-500, K-8-250  
K type adapter : K-AD  
Carrying case : C-77, C-77H Clip adapter : CL-11, CL-15, TL-8IC  
Test lead : TLF-120



A fuse of large breaking capacity (30kA) is used to further improve the safety.

## Multifunction



RD700

CE

**RD700**  
**RD701**

**High input impedance 1000MΩ**

- 3-3 / 4 digits 4000 count
- 0.3% best accuracy
- AC True RMS ※RD701 only
- Capacitance measurement
  - ※ Not suitable for measurement of condensers with large leak current.
- K type temperature
  - ※ Optional accessory K-AD is necessary.
  - ※ K type temp. sensor K-250PC is included as a standard accessory
- Frequency measurement
  - ※ Input voltage : 20VACrms and under
  - ※ Input signal : sign wave or square wave with 40%-70% duty
  - ※ Input sensitivity : 10Hz~20kHz/0.9Vrms and above
    - : 20kHz~500kHz/2.6Vp or 1.9Vrms and above
    - : 500kHz~1MHz/4.2Vp or 3Vrms and above
- ADP function (for current sensor)
- Max recording measurement
- Data hold / Range hold    ■ Relative value
- Auto power off (30min.) (cancelable)
- Alarm for improper test lead insertion to current terminal
- Protective holster with wall hanger and lead holder
- Tilt stand

**Display** : numeral display 4000 (Hz : 9999, capacitance : 5000)

**Sampling rate : 3 times / sec. (Hz : 2 times / sec.)**

AC frequency bandwidth : 50~500Hz

**Safety :** IEC61010-1 (EN61010-1) 2001-02 CAT.III 600V  
Max. / CAT.III1000V Max.

RD701 only

|        |           |          |      |          |
|--------|-----------|----------|------|----------|
| RMS    | Hz        | $\pm$    | •))) | °C       |
| AP OFF | DATA HOLD | RNG HOLD | REL  | Max HOLD |

## RD700 / 701

| Function                      | Measuring range                                                                      | Best accuracy | Resolution   | Input impedance |
|-------------------------------|--------------------------------------------------------------------------------------|---------------|--------------|-----------------|
| DCV                           | 400mV/4/40/400/1000V                                                                 | ± (0.3%+4)    | 0.1mV        | 10M~1000MΩ      |
| ACV                           | 400mV/4/40/400/1000V                                                                 | ± (1.5%+5)    | 0.1mV        |                 |
| DCA                           | 400μ/4000μ/40m/400m/4/10A                                                            | ± (1.2%+3)    | 0.1μA        |                 |
| ACA                           | 400μ/4000μ/40m/400m/4/10A                                                            | ± (1.5%+4)    | 0.1μA        |                 |
| Resistance                    | 400k/40k/400k/4M/40MΩ                                                                | ± (0.6%+4)    | 0.1Ω         |                 |
| Capacitance                   | 500n/5μ/50μ/500μ/3000μF                                                              | ± (2.5%+6)    | 0.01nF       |                 |
| Temperature                   | -20℃~300℃                                                                            | ± (2.0%+3)    | 1℃           |                 |
| Frequency                     | 50Hz~1MHz                                                                            | ± (0.5%+4)    | 0.01Hz       |                 |
| Continuity                    | Buzzer sounds at between 20V and 120V. Open voltage : approx. 0.4V                   |               |              |                 |
| Diode Test                    | Open voltage : approx. 1.6V                                                          |               |              |                 |
|                               |                                                                                      |               |              |                 |
| Bandwidth                     | 50~500Hz                                                                             |               |              |                 |
| Fuse / Battery                | 12.5A/500V IR20kA #6.3×32mm<br>0.63A/500V IR200kA #6.3×32mm                          |               | 6LF22 (9V)×1 |                 |
| Size / Weight                 | H179×W87×D55mm/460g (including holster)                                              |               |              |                 |
| Standard accessories included | Test Lead (TL-82), Thermocouple K type (K-250PC), Holster (H-50), Instruction manual |               |              |                 |

## Optional accessories

Clamp probe : CL124, CL140, CL-20D, CL-22AD, CL33DC  
 Temperature probe : K-8-800, K-8-650, K-8-300, K-8-500, K-8-250  
 K type adapter : K-AD  
 Test lead : TL-21M, TL-21, TLF-120  
 Carrying case : C-CD Clip adapter : CL-13