Field Measuring Instrument
Made in Japan

Clamp Meter

Earth Tester
Dustproof and Waterproof
FT6031
65°C -25°C

Phase Detector
PD3259
65°C -25°C

Usable temperature range
Max. 65°C
Max. -25°C

DMM
Digital Multimeter
DT4254
DT4255
DT4256
DT4223
DT4224

Logger
Temperature and Humidity
LR8514

High-End Model

High Voltage
Insulation Tester
IR3455
50°C -10°C

Power Quality
Analyzer
PQ3100
50°C -20°C
### Specifications

#### CM4371, CM4372, CM4373, CM4374

<table>
<thead>
<tr>
<th>Model</th>
<th>CM4371</th>
<th>CM4372</th>
<th>CM4373</th>
<th>CM4374</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC measurement system</td>
<td>True RMS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Display refresh rate</td>
<td>5 times/s (excluding electrostatic capacity, frequency, and temperature)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Backlight</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Core jaw diameter</td>
<td>φ33 mm (1.30 in)</td>
<td>φ55 mm (2.17 in)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Safety standard category</td>
<td>CAT IV 600 V, CAT III 1000 V</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. rated voltage to earth</td>
<td>1000 Vrms</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Crest factor**
  - 30.0 A range: 0.15
  - 60.0 A range: 0.30
  - 150.0 A range: 0.50

- **DC current**
  - 20.0/600.0 A
  - 600.0/2000 A

- **AC voltage**
  - 600.0/600.0/600.0/1500 V

- **AC current**
  - 20.0/600.0 A
  - 600.0/2000 A

- **AC/DC Voltage**
  - 20.0/600.0 A (DC, 10 Hz to 1 kHz)

- **DC Power**
  - 0.0 VA to 1020 kVA
  - 0.000 kVA to 3400 kVA

- **Temperature (K)**
  - -40.0˚C to 400.0˚C

- **Resistance**
  - 600 Q to 2000 kQ

- **Frequency**
  - 9.999/99.99/999.9 Hz

- **Continuity check**
  - Less than 50 Q, 100 Q, 500 Q

- **Diode check**
  - N/A

- **AC voltage detection**
  - N/A

- **Functions**
  - Automatic AC/DC detection, Plus/Minus judgement function of DC A, DC V, Max/Min/Average/Peak MAX/PEAK MIN value display, Filter function, Display value hold, Auto hold, Back light, Auto-power save, Buzzer sounds, Zero adjustment, Bluetooth® Smart (CM4372, CM4374)

- **Dustproof and water-proof**
  - N/A

- **Measurement targets**
  - ±2.0% rdg. ±8 dgt.

- **Voltage measurement accuracy**
  - ±2.0% rdg. ±8 dgt.

- **Maximum rated voltage to earth**
  - 600 V AC (CAT IV)

- **Display update rate**
  - 500 ms/10 ms

- **Dustproof and water-proof**
  - N/A

- **Power supply**
  - LR03 Alkaline battery x2

#### 3280-10F, 3280-20F

- **Model**
  - PD3259

- **Detection functions**
  - Phase detection, open phase, prediction of ground phase (3-phase line)

- **Measurement parameters**
  - 3-phase AC voltage and frequency

- **Voltage measurement accuracy**
  - ±2.0% rdg. ±8 dgt.

- **Frequency measurement accuracy**
  - ±0.5% rdg. ±1 dgt.

- **Measurement targets**
  - Covered cables, metal parts not supported
  - 3-phase 90.0 V to 520.0 V AC (45 to 66 Hz)

- **Diameter of measurable conductors**
  - Finished outer diameter: 6 mm to 30 mm

- **Maximum rated voltage to earth**
  - 600 V AC (CAT IV)

- **Display update rate**
  - 500 ms/10 ms

- **Dustproof and water-proof**
  - N/A

- **Power supply**
  - LR6 (AA) alkaline battery x4, Continuous operating time: Approx. 5 hours

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#### FT6031

- **Measurement system**
  - Switchable between two-and three-pole methods

- **Measurement range**
  - 20 Q (0 to 20.00 D)...
  - 2000 D (0 to 2000 D)

- **Accuracy**
  - ±1.5% rdg. ±8 dgt.
  - ±1.5% rdg. ±8 dgt.

- **Earth voltage**
  - 0.1 to 30.0 Vrms

- **Dustproof and waterproof**
  - IP65/67 (EN60529)

- **Power supply**
  - LHR (AA) alkaline battery x4

#### LR8514

- **Number of channels**
  - 2 for temperature + 2 ch for humidity (2 sensors can be attached)

- **Measurement items**
  - Temperature, Humidity

- **Measurement range**
  - Temperature: -40°C to 80°C
  - Humidity: 0% to 100% rH

- **Other**
  - Humidity sensor sold separately

#### DT4223, DT4224

- **Model**
  - DT4223

- **DC Voltage**
  - 600 mV - 600 V

- **AC Voltage**
  - 6 V - 600 V

- **AC/DC voltage automatic detection**
  - 600 V

- **Resistance**
  - 600 Ω - 60 MΩ

- **Capacitance**
  - 1 μF - 10 μF

- **Frequency**
  - 99 Hz - 9.9 kHz

- **Continuity check**
  - 600 Ω

- **Diode check**
  - 1.5 V

- **Voltage detection**
  - Hilo

#### DT4254, DT4255, DT4256

- **Model**
  - DT4254

- **DC Voltage**
  - 600 mV - 1000 V

- **AC Voltage**
  - 6 V - 1000 V

- **AC/DC voltage automatic detection**
  - 600 V

- **Resistance**
  - 600 Ω - 60 MΩ

- **Capacitance**
  - 1 μF - 10 μF

- **Frequency**
  - 99 Hz - 9.9 kHz

- **Continuity check**
  - 600 Ω

- **Diode check**
  - 1.5 V

- **Voltage detection**
  - Hilo

#### IR3455

- **Measurement of high-voltage equipment**
  - Transformer, cable, and motors

- **Wide testing voltage range**
  - up to 5.00 kV from 250 V to 1200 V

- **Wide measurement insulation range**
  - up to 10 GΩ

- **PI (Polarization Index) and DAR (Dissipation Factor) automatically calculated**

- **Data memory function**
  - Handwritten notes

- **Bright LED luminous scale**

- **Extended operation temperature range**
  - -10°C to 50°C

#### PQ3100

- **Record data including voltage, current, power, harmonics, and flicker simultaneously along a single time axis**

- **Quick Set: Easy-to-understand on-screen guide for measurement procedures**

- **Bundled PQ ONE application software makes it easy to create reports**

- **Record waveforms for up to 1 second before and after 10 seconds after an anomaly occurs**

- **Accuracy measure DC currents over extended periods of time (with an AC/DC auto-zero current sensor)**

- **Directly supply power to connected current sensors**

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