**Quickly check current, voltage, power, and power factor**

**Broad measurement ranges**
Current: 60 mA to 600 A  
Active power: 5W to 360 kW

**Fast response**
Shorten test times by identifying all of the necessary data on a single screen  
Automatically transfer data with Bluetooth wireless technology

---

*Harmonic can be displayed with the GENNECT Cross dedicated application software.*
• Accurately measure power from 5 W at a current as low as 60 mA to 360 kW at a maximum of 600 A (single-phase power measurement).
• In addition to current, voltage, and power, measure simple integral power consumption and phase sequence.
• Obtain accurate readings with true RMS measurement.

**Measurement line**

Measure power in single-phase to balanced three-phase circuits (with estimated values)
1-phase/2-wire, 1-phase/3-wire, balanced 3-phase/3-wire, and balanced 3-phase/4-wire.
*The instrument generates estimated power values when measuring 3-phase circuits.

**Easily check power supply fluctuations**

Since it can display maximum (MAX), minimum (MIN), and average (AVG) values, the CM3286 is useful when you need to ascertain the magnitude of fluctuations.
And since it can also measure crest (PEAK) values, you can use it to check fluctuations at the crest value level.

**Quickly check for unbalance**

The CM3286 can measure unbalanced power in a 3-phase/3-wire circuit by measuring the single-phase power twice and then automatically adding the results. (The instrument can also measure 3-phase/4-wire circuits in three separate measurements.)

**Support for large-diameter, high-current measurement**

The CM3286 can be used with the optional Clamp On Adapter 9290-10 to measure busbars of up to 55 mm in diameter or 80 x 20 mm. Measure high currents of up to 1000 A AC (or 1500 A for up to 5 min.).

**Choose from an extensive selection of probe tips**

Select the type of probe that best suits your measurement location, letting you measure in areas that can’t be reached with conventional probes and busbars that you wish to clamp between probes.
*Probe tips: Sold separately

**Functionality and performance that enable a broad range of measurements**

**White backlight**

A white backlight makes the measured values stand out, even in dim locations.
Owing to wide viewing angle display, high quality screen lets you read measurements from any angle.

**Easily operate with one hand**

Turn the rotary switch while holding the instrument in the same hand.
Grooves on the switch make it easy to rotate even while wearing work gloves.

**CAT IV 600 V**

The CM3286 can safely measure service wires with a wire-to-ground voltage of up to 600 V as well as wires found in distribution panels.
The clamp meters also feature a safe design that can withstand a transient overvoltage of 8 kV in case of a lightning strike.

**-25°C to + 65°C**

The CM3286 can be used in freezing temperatures or on the hottest summer days.
Easy-to-see display  Related parameters shown on the display at once

Related parameters and connection locations shown on the display at once (Main parameter×1, Sub-parameter×3)

[Power display]

- Main parameter: Power factor
- Sub-parameter: Active power
- Sub-parameter: Current
- Sub-parameter: Voltage

- Current line: 0.1000 A
- Current frequency: 60.00 Hz
- Active power: 0.999 W

- Current peak value: 1.000 A
- Current: 1.000 A

- Forward phase: L1, L2, L3

Simple wiring guide

The CM3286 provides a simple on-screen guide indicating how to connect it to a 3-phase circuit.

Example: 3-phase AC measurement (3P3W, balanced)

Measurement screen

Jaw: Black, Red

Connection names light up in order

AUTO HOLD

The clamp meters beep when the measured value stabilizes and then automatically hold the display value. This is useful when using the instrument in locations where it is difficult to see the display or press the hold button.

Double warnings with sound and light

When the clamp power meter detects excessively over current or voltage input during a continuity check, it alerts you with a red backlight and beeping tone in order to help prevent accidents.

Quick and easy data recording
Hold measured values to send them to a smartphone

CM3286-01 only

When you freeze the measured value, it is automatically transferred to a smartphone or tablet, eliminating the need to jot down readings by hand. You can also create a simple PDF report right there in the field, and save data in CSV format for later editing in Excel.

GENNECT Cross (freeware) is required to use instruments with a smartphone or tablet.
GENNECT Cross available from the Google Play or Apple Store.
### Specifications

**Accuracy guaranteed for 1 year, Post-adjustment accuracy guaranteed for 1 year, Product warranty period for 3 years**

<table>
<thead>
<tr>
<th>Measurement line</th>
<th>Single-phase, Three-phase (should be balanced with no distortion)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Measurement items</strong></td>
<td>Voltage, Current, Voltage/Current peak, Active/Reactive, apparent power, Power factor, Phase angle *1, Frequency, Simple Active Energy Consumption (Single-phase)</td>
</tr>
<tr>
<td>(CM3286-01 only)</td>
<td>Voltage/current harmonic levels</td>
</tr>
<tr>
<td><strong>AC voltage</strong></td>
<td>Measurement range: 80.0 V to 600.0 V. Single range, basic accuracy 45 Hz - 66 Hz: ±0.7% rdg. ±3 dgt. (Frequency characteristics: 45 Hz to 1 kHz, True RMS)</td>
</tr>
<tr>
<td><strong>AC current</strong></td>
<td>Measurement range: 0.060 A to 600.0 A, A range, basic accuracy 45 Hz - 66 Hz: ±1.3% rdg. ±3 dgt. (Frequency characteristics: 45 Hz to 1 kHz, True RMS)</td>
</tr>
<tr>
<td><strong>Power</strong></td>
<td>[Single phase] 0.005 kW to 360.0 kW, basic accuracy: ±0.2% rdg. ±7 dgt. (50/60 Hz, Power factor=1)</td>
</tr>
<tr>
<td>(CM3286-01 only)</td>
<td>[Balanced three-phase 3-wire] 0.020 kW to 623.5 kW, basic accuracy: ±0.3% rdg. ±10 dgt. (50/60 Hz, Power factor=1)</td>
</tr>
<tr>
<td>(CM3286-01 only)</td>
<td>[Balanced three-phase 4-wire] 0.040 kW to 1090 kW, basic accuracy: ±0.2% rdg. ±3 dgt. (50/60 Hz, Power factor=1)</td>
</tr>
<tr>
<td><strong>Harmonic</strong> (CM3286-01 only)</td>
<td>Voltage/current harmonic levels up to 30th, Content factor, total harmonic distortion ratio</td>
</tr>
<tr>
<td><strong>Other functions</strong></td>
<td>Phase angle *1: lead -180.0° to lag 179.9°, [Power factor] 1.000 to 1.000 [Frequency] 45.0 Hz to 999.9 Hz, PEAK, phase detection, max/min/avg value display, auto hold, electric meter comparison, unbalanced 3-phase power estimate display, etc.</td>
</tr>
<tr>
<td><strong>Maximum rated voltage to earth</strong></td>
<td>600 V AC (Measurement category IV)</td>
</tr>
<tr>
<td><strong>Maximum rated voltage to terminal</strong></td>
<td>1000 V AC (Measurement category III)</td>
</tr>
<tr>
<td><strong>Crest factor</strong></td>
<td>5% / 6% A range 3 or less, 600 A / 600 V range 1.6 or less</td>
</tr>
<tr>
<td><strong>Operating and storage temperature and humidity ranges</strong></td>
<td>25°C to 65°C or less (13.0°F to 149.0°F), 90% RH or less (no condensation, less than 40°C)</td>
</tr>
<tr>
<td><strong>Dustproof and waterproof</strong></td>
<td>Grip: IP54 (EN60529), Jaw: IP50 (EN60529)</td>
</tr>
</tbody>
</table>

**Software specifications** (CM3286-01 only)

**GENNECT Cross (Freeware)**

**Interface**
- Bluetooth® 4.0 LE
- Communication distance: 10 m (line of sight)

**Supported devices**
- Android™ 4.3 or later
- Bluetooth® low energy enabled devices

**Supported iOS devices**
- OS 10 or later
- Bluetooth® low energy enabled devices

**External measurement** (Bluetooth® low energy enabled devices)

**Device that emits radio waves**

**Precautions concerning use of equipment that emits radio waves**

**Accessories**

**Connection app (CM3286-01 only)**

**Order code/ Options**

**AC CLAMP POWER METER CM3286**

**Model No. (Order Code) (Note)**

CM3286  
CM3286-01 Built-in Bluetooth® wireless technology

**Options (Test leads)**

- CONNECTION CABLE SET L9257  
- EXTENSION CABLE SET L9431 (1.2m)

**Options (Clamp adapter)**

- CLAMP ON ADAPTER L4930  
- CLIP SET L4932

**Tip options (Red/ Black: 1 each)**

- TEST LEAD L9207-10  
- BUS BAR CLIP L4936  
- MAGNETIC ADAPTER L4937

**Accessories**

- CONNECTION CORD L9257  
- CARRYING CASE C0203  
- Instruction manual

**Note:** Company names and Product names appearing in this catalog are trademarks or registered trademarks of various companies.