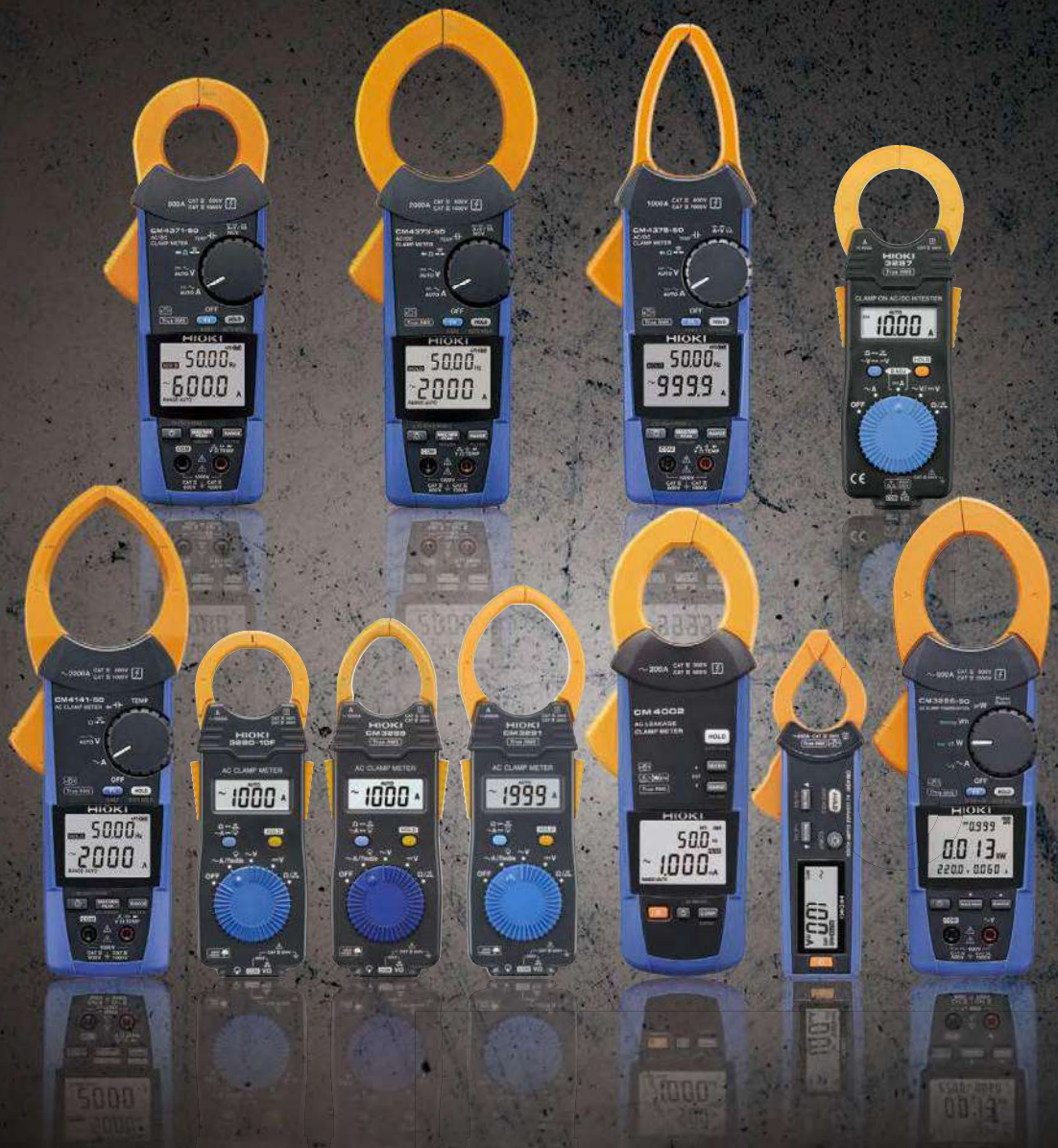
HIOKI

CLAMP METER Series



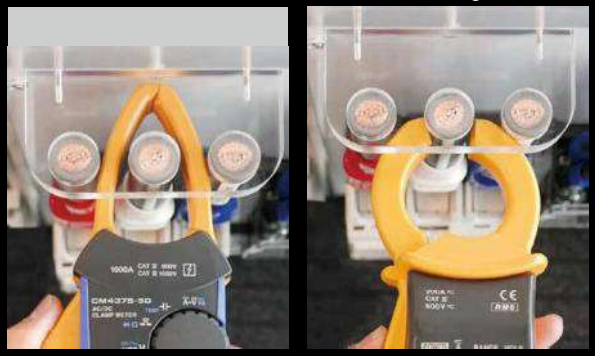
CLAMP METERS

1000A CAT Ⅳ 600V
CAT Ⅲ 1000V
CM4375-50
AC/DC
CLAMP METER
TEMP
AUTO V
AUTO A
OFF
True RMS
Fn
HOLD
0 ADJ

Remarkable Ease of Use
New "Slim Jaw" Design

Innovative slim jaw resolves worksite issues such as crowded wiring to deliver safe, accurate and high-performance testing.

CM4375-50 | Traditional design



Easily Clamp Within Crowded Cables with New Slim Jaw Design

CM4375-50	CM4141-50	CM3289	CM3281 CM3291	CM4001
34 mm=1.34 in	55 mm=2.17 in	33 mm=1.30 in	46 mm=1.81 in	24 mm=0.94 in

So much more than just wireless

Wireless connectivity leading to versatility

Using Bluetooth® communication with the Z3210*1

Install the Wireless Adapter Z3210 to enable Bluetooth® communications.
With the Z3210, you can transfer data directly to an Excel® file and pair the instrument with GENNECT Cross.

Attach to enable Bluetooth® wireless technology

Transport to the Excel® file

Transport to GENNECT Cross

Z3210
For more details

Manage measurement data using GENNECT Cross*2

Pair clamp meters built in with Bluetooth(R) wireless technology with the free GENNECT Cross mobile app to upload data to your mobile device for further data management, processing and reporting.

- Save data and create reports right on the App
- Share data via cloud services or E-mail

Bluetooth® communications

Transfer data to a tablet wirelessly

Screen1

Take a picture of the test location and map measured values on it

Screen2

Verify current waveforms on your mobile device

Screen3

Visualize intermittent GFCI and RCD trips
Review trip times and maximum current values

Screen4

Harmonic analysis for troubleshooting

*1 Supported models : CM4371-50, CM4373-50, CM4375-50, CM4141-50, CM3286-50, CM4001, CM4002, CM4003
*2 Supported models : When the Z3210 is installed on a compatible model described above*1

Downloading GENNECT Cross

Data can be downloaded to tablets and smartphones using Hioki's dedicated apps available from the Google Play or App Store.
Search for "HIOKI" and download the "GENNECT Cross" app.

GET IT ON Google Play
Download on the App Store

GENNECT Cross
For more details

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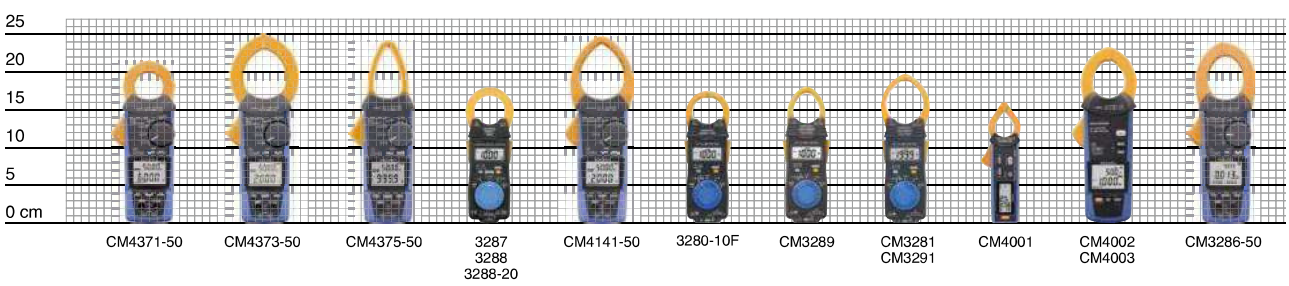
*For the latest information about countries and regions where wireless operation is currently supported, please visit the Hioki website.

~2000A CAT Ⅳ 600V
CAT Ⅲ 1000V
CM4141-50
AC CLAMP METER
TEMP
AUTO V
~A
OFF
True RMS
Fn
0 ADJ
HOLD
AUTO HOLD
HIOKI
APS

Lineup

Measurement type	AC / DC Current				
Model	**CM4371-50**	**CM4373-50**	**CM4375-50**	**3287**	**3288 3288-20**
Appearance	NEW	NEW	NEW		
Core jaw diameter	ϕ33 mm (1.30 in)	ϕ55 mm (2.17 in)	ϕ34 mm (1.34 in)	ϕ35 mm (1.38 in)	ϕ35 mm (1.38 in)
AC measurement system	True RMS	True RMS	True RMS	True RMS	MEAN Value True RMS (-20)
Frequency characteristics	10 Hz to 1 kHz	10 Hz to 1 kHz	10 Hz to 1 kHz	10 Hz to 1 kHz	10 Hz to 500 Hz
Measurement parameters — AC current (Resolution) Guaranteed accuracy range	600 A (0.01) 1 A to 600 A	2000 A (0.1) 1 A to 2000 A	1000 A (0.1) 1 A to 999.9 A	100 A (0.01) Full display range*5	1000 A (0.1) Full display range*5
Measurement parameters — DC current (Resolution)	600 A (0.01)	2000 A (0.1)	999.9 A (0.1)	100 A (0.01)	1000 A (0.1)
Measurement parameters — AC Voltage	1000 V	1000 V	1000 V	600 V	600 V
Measurement parameters — DC Voltage	2000 V*1	2000 V*1	2000 V*1	600 V	600 V
Measurement parameters — Power	1200 kVA (DC)*1	4000 kVA (DC)*1	2000 kVA (DC)*1	N / A	N / A
Measurement parameters — Resistance	6 MΩ	6 MΩ	6 MΩ	42 MΩ	42 MΩ
Measurement parameters — Temperature	-40°C to 400°C	-40°C to 400°C	-40°C to 400°C	N / A	N / A
Measurement parameters — Electrostatic capacity	✔	✔	✔	N / A	N / A
Measurement parameters — Frequency	999.9 Hz	999.9 Hz	999.9 Hz	N / A	N / A
Measurement parameters — Rush current	✔	✔	✔	N / A	N / A
Measurement parameters — Continuity check	✔	✔	✔	✔	✔
Measurement parameters — Diode check	✔	✔	✔	N / A	N / A
Measurement parameters — Non-Contact Voltage	✔	✔	N / A	N / A	N / A
Low-pass filter	✔	✔	✔	N / A	N / A
Auto power off	✔	✔	✔	✔	✔
Auto range	✔	✔	✔	✔	✔
Data hold	AUTO / MANUAL	AUTO / MANUAL	AUTO / MANUAL	MANUAL	MANUAL
Automatic AC/DC detection	✔	✔	✔	N / A	N / A
MAX / MIN / AVG	✔	✔	✔	N / A	N / A
Output	N / A	N / A	N / A	N / A	N / A
Bluetooth® communication	✔ (with Z3210)	✔ (with Z3210)	✔ (with Z3210)	N / A	N / A
Backlight	✔	✔	✔	N / A	N / A
Display refresh rate	5 times / s	5 times / s	5 times / s	2.5 times / s	2.5 times / s
Safety standard category	CAT IV 600 V CAT III 1000 V	CAT IV 600 V CAT III 1000 V	CAT IV 600 V CAT III 1000 V	V: CAT III 300 V A: CAT III 600 V	V: CAT III 300 V A: CAT III 600 V
Safety standard category (with P2000)	CAT IV 1000 V CAT III 2000 V	CAT IV 1000 V CAT III 2000 V	CAT IV 1000 V CAT III 2000 V	N / A	N / A
CE	✔	✔	✔	✔	✔
Dustproof and waterproof	IP20*2, IP54*3	IP20*2, IP54*3	IP20*2, IP54*3	N / A	N / A
Drop proof	N / A	N / A	N / A	N / A	N / A
Power supply	LR03 ×2 Alkaline	LR03 ×2 Alkaline	LR03 ×2 Alkaline	CR2032 ×1 Coin type	CR2032 ×1 Coin type
Dimensions (W × H × D)	65 × 215 × 35 mm 2.56 × 8.46 × 1.38 in	65 × 250 × 35 mm 2.56 × 9.84 × 1.38 in	65 × 242 × 35 mm 2.56 × 9.53 × 1.38 in	57 × 180 × 16 mm 2.24 × 7.09 × 0.63 in	57 × 180 × 16 mm 2.24 × 7.09 × 0.63 in
Weight	340 g / 12.0 oz	530 g / 18.7 oz	350 g / 12.3 oz	170 g / 6.0 oz	150 g / 5.3 oz

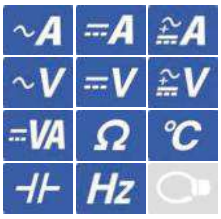
Size comparison



AC/DC Current

AC/DC CLAMP METER CM4371-50, CM4373-50, CM4375-50

Product warranty for 3 years
Accuracy guaranteed for 1 year



Included accessories

L9300 **C0203**

- LR03 Alkaline battery ×2
- Instruction manual

ϕ35 mm =1.30 in

NEW

CM4371-50

600 A AC/DC

True RMS

CAT IV 600 V
CAT III 1000 V

With P2000

CAT IV 1000 V DC
CAT III 2000 V DC

With Z3210

Bluetooth®

Please see www.hioki.com for list of supported regions.

GENNECT Cross

ϕ55 mm =2.17 in

NEW

CM4373-50

2000 A AC/DC

True RMS

CAT IV 600 V
CAT III 1000 V

With P2000

CAT IV 1000 V DC
CAT III 2000 V DC

With Z3210

Bluetooth®

Please see www.hioki.com for list of supported regions.

GENNECT Cross

ϕ34 mm =1.34 in

NEW

CM4375-50

1000 A AC/DC

True RMS

CAT IV 600 V
CAT III 1000 V

With P2000

CAT IV 1000 V DC
CAT III 2000 V DC

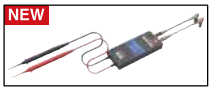
With Z3210

Bluetooth®

Please see www.hioki.com for list of supported regions.

GENNECT Cross

WIRELESS ADAPTER
Z3210 (Option)
Attach to enable Bluetooth® wireless technology



DC HIGH VOLTAGE PROBE
P2000 (Option)
Available to mesure 2000 V DC

CLAMP ON AC/DC HiTESTER 3287, 3288, 3288-20

Product warranty for 3 years
Accuracy guaranteed for 1 year

Included accessories

L9208 **9398**

- Coin type lithium battery CR2032×1
- Instruction manual

ϕ35 mm =1.38 in

3287

100 A AC/DC

True RMS

V: CAT III 300 V
A: CAT III 600 V

ϕ35 mm =1.38 in

3288

1000 A AC/DC

True RMS

V: CAT III 300 V
A: CAT III 600 V

ϕ35 mm =1.38 in

3288-20

1000 A AC/DC

True RMS

V: CAT III 300 V
A: CAT III 600 V

For more details

*1

Model		CM4371-50	CM4373 -50	CM4375-50		Basic accuracy
Measurement parameters	AC Current	✔	N / A	N / A	20.00 A/600.0 A (guaranteed accuracy range: 1.00 A to 600.0 A)	±1.3% rdg ±0.08 A
		N / A	✔	N / A	600.0 A/2000 A (guaranteed accuracy range: 1.0 A to 2000 A)	±1.3% rdg ±0.3 A
		N / A	N / A	✔	1000 A (guaranteed accuracy range: 1.0 A to 999.9 A)	±1.3% rdg ±0.3 A
	DC Current	✔	N / A	N / A	20.00 A/600.0 A (guaranteed accuracy range: ±1.00A to ±600.0 A)	±1.3% rdg ±0.08 A
		N / A	✔	N / A	600.0 A/2000 A (guaranteed accuracy range: ±1.0A to ±2000 A)	±1.3% rdg ±0.3 A
		N / A	N / A	✔	1000 A (guaranteed accuracy range: ±1.0 A to ±999.9 A)	±1.3% rdg ±0.3 A
	AC + DC Current	✔	N / A	N / A	20.00 A/600.0 A (guaranteed accuracy range: 1.00 A to 600.0 A)	±1.3% rdg ±0.13 A
		N / A	✔	N / A	600.0 A/2000 A (guaranteed accuracy range: 1.0 A to 2000 A)	±1.3% rdg ±1.3 A
		N / A	N / A	✔	1000 A (guaranteed accuracy range: 1.0 A to 999.9 A)	±1.3% rdg ±1.3 A
	AC Voltage	✔	✔	✔	6.000 V/60.00 V/600.0 V/1000 V	±0.9% rdg ±0.003 V
	DC Voltage	✔	✔	✔	600.0 mV/6.000 V/60.00 V/600.0 V/1000 V/2000 V*2	±0.5% rdg ±0.5 mV
	AC + DC Voltage	✔	✔	✔	6.000 V/60.00 V/600.0 V/1000 V	±1.0% rdg ±0.013 V
	DC Power	✔	N / A	N / A	0.0 VA to ±1200 kVA*2	±2.0% rdg ±20 dgt
		N / A	✔	N / A	0.000 kVA to ±4000 kVA*2	±2.0% rdg ±20 dgt
		N / A	N / A	✔	0.000 kVA to ±2000 kVA*2	±2.0% rdg ±0.020 kVA
	Resistance	✔	✔	✔	600.0 Ω/6.000 kΩ/60.00 kΩ/600.0 kΩ/6.000 MΩ	±0.7% rdg ±0.5 Ω
	Temperature	✔	✔	✔	-40.0°C to 400.0°C	±0.5% rdg ±3.0°C
	Electrostatic capacity	✔	✔	✔	1.000 µF/10.00 µF/100.0 µF/1000 µF	±1.9% rdg ±0.005 µF
	Frequency	✔	✔	✔	9.999 Hz/99.99 Hz/999.9 Hz	±0.1% rdg ±0.003 Hz

Other	Display refresh rate	5 times/s*3
	Operating temperature	-25°C to 65°C, 90% RH or less (non-condensating)
	Storage temperature	-30°C to 70°C, 90% RH or less (non-condensating)
	Dustproof and waterproof	IP20*4, IP54*5
	Power supply Continuous operating time	Alkaline battery LR03 ×2 40 hours*6
	Dimensions (W × H × D)	CM4371-50: 65 × 215 × 35 mm (2.56 × 8.46 × 1.38 in) CM4373-50: 65 × 250 × 35 mm (2.56 × 9.84 × 1.38 in) CM4375-50: 65 × 242 × 35 mm (2.56 × 9.53 × 1.38 in)
	Weight	CM4371-50: 340 g (12 oz) CM4373-50: 530 g (18.7 oz) CM4375-50: 350 g (12.3 oz)

Order code **CM4371-50**
Order code **CM4373-50**
Order code **CM4375-50**
Order code **CM4371-90**
Order code **CM4373-90**
Order code **CM4375-90**
Order code **CM4373-91**
Order code **CM4375-91**
Order code **CM4373-92**
Order code **CM4375-92**

Model CM437x-90 includes Z3210 as a set
Model CM437x-91 includes P2000 as a set
Model CM437x-92 includes P2000, Z3210 as a set

*1: Excludes CM4375-50 *2: Only when DC HIGH VOLTAGE PROBE P2000 is used *3: Excludes electrostatic capacity, frequency, and temperature
*4: Voltage measurement in a completely dry condition. When jaw closes. *5: While in storage. *6: With backlight and Bluetooth® communications turned OFF

Model		3287	3288	3288-20		Basic accuracy
Measurement parameters	AC Current	✔	N / A	N / A	10.00 A/100.0 A (Display range: 0A to 10.00 A/100.0 A)	±1.5% rdg ±5 dgt
		N / A	✔	✔	100.0 A/1000 A (Display range: 0A to 100.0 A/1000 A)	±1.5% rdg ±5 dgt
	DC Current	✔	N / A	N / A	10.00 A/100.0 A	±1.5% rdg ±5 dgt
		N / A	✔	✔	100.0 A/1000 A	±1.5% rdg ±5 dgt
	AC Voltage	✔	✔	✔	4.200 V/42.00 V/420.0 V/600 V	±2.3% rdg ±8 dgt
	DC Voltage	✔	✔	✔	420.0 mV/4.200 V/42.00 V/420.0 V/600 V	±1.3% rdg ±4 dgt
	Resistance	✔	✔	✔	420.0 Ω/4.200 kΩ/42.00 kΩ/420.0 kΩ/4.200 MΩ/42.00 MΩ	±2.0% rdg ±4 dgt

Other	Display refresh rate	2.5 times/s
	Operating temperature	0°C to 40°C, 80% RH or less (non-condensating)
	Storage temperature	-10°C to 50°C, 80% RH or less (non-condensating)
	Dustproof and waterproof	N / A
	Power supply Continuous operating time	Coin type lithium battery CR2032 ×1 25 hours
	Dimensions(W × H × D)	57 × 180 × 16 mm (2.24 × 7.09 × 0.63 in)
	Weight	3287: 170 g (6.0 oz), 3288, 3288-20: 150 g (5.3 oz)

Order code **3287**
Order code **3288**
Order code **3288-20**