

# HIOKI

Field Measuring Instrument

 Made in Japan

## Clamp Meter



AC  
3280-10F, -20F

65°C -25°C



AC/DC  
CM4373, CM4371

65°C -25°C

## Earth Tester

Dustproof and  
Waterproof

FT6031

65°C -25°C



## Phase Detector

Non-Metal Contact

PD3259

65°C -25°C



Usable temperature range

Max.

65°C

Max.

-25°C

## DMM

Digital Multimeter

DT4254

DT4255 DT4223

DT4256 DT4224

65°C -25°C

65°C -10°C



## Logger

Temperature and  
Humidity

LR8514

60°C -20°C



## 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

Model	CM4371, CM4372	CM4373, CM4374
AC measurement system	True RMS	
Display refresh rate	5 times/s (excluding electrostatic capacity, frequency, and temperature)	
Backlight	✓	
Core jaw diameter	φ33 mm (1.30 in)	φ 55 mm (2.17 in)
Safety standard category	CAT IV 600 V, CAT III 1000 V	
Max. rated voltage to earth	1000 Vrms	
Crest factor	[20.00 A range] 7.5 [600.0 A range] 500.0 A or less: 3; greater than 500.0 A and less than or equal to 600.0 A: 2.5	[600.0 A range] 500.0 A or less: 3; greater than 500.0 A and less than or equal to 600.0 A: 2.5 [2000 A range] 1000 A or less: 2.84; greater than 1000 A and less than or equal to 2000 A: 1.42
DC current	20.00/ 600.0 A	600.0/ 2000 A
AC current (Frequency characteristics)	20.00/ 600.0 A (10 Hz to 1 kHz)	600.0/ 2000 A (10 Hz to 1 kHz)
DC voltage	600.0 m/ 6.000/ 60.00/ 600.0/ 1500 V	
AC voltage (Frequency characteristics)	6.000/ 60.00/ 600.0/ 1000 V (15 Hz to 1 kHz)	
DC+AC Current (Frequency characteristics)	20.00/ 600.0 A (DC, 10 Hz to 1 kHz)	600.0/ 2000 A (DC, 10 Hz to 1 kHz)
DC+AC Voltage (Frequency characteristics)	6.000/ 60.00/ 600.0/ 1000 V (DC, 10 Hz to 1 kHz)	
DC Power	0.0 VA to 1020 kVA	0.000 kVA to 3400 kVA
Resistance	600.0 Ω/ 6.000 k/ 60.00 k/ 600.0 kΩ	
Temperature (K)	-40.0°C to 400.0°C	
Electrostatic capacity	1.000/ 10.00/ 100.0/ 1000 μF	
Frequency	9.999/ 99.99/ 999.9 Hz	
Continuity check (beep sound)	✓ Less than 25 Ω ±10 Ω, red LED	
Diode check	✓	
AC voltage detection	✓	
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 waterproof	Grip: IP54 (when measuring an insulated conductor only), Jaw (current sensor portion of the instrument)/ barrier: IP50	
Power supply	LR03 Alkaline battery x2	
Continuous use	CM4371, CM4373: 45 hours/ CM4372, CM4374: 25 hours	

## 3280-10F, 3280-20F

Model	3280-10F	3280-20F
AC current (Frequency characteristics)	42.00/ 420.0/ 1000 A (50/60 Hz)	42.00/ 420.0/ 1000 A (40 Hz to 1 kHz)
DC voltage	420.0 mV 4.200/ 42.00/ 420.0/ 600 V	
AC voltage (Frequency characteristics)	4.200/ 42.00/ 420.0/ 600 V (45 to 500 Hz)	
Resistance	420.0 Ω/ 4.200 k/ 42.00 k/ 420.0 kΩ 4.200 M/ 42.00 MΩ	
Continuity check (beep sound)	✓ Less than 50 Ω ±40 Ω	

## PD3259

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 portions Note: Use on shielded cables not supported 3-phase 90.0 V to 520.0 V AC (45 to 66 Hz)
Diameter of measurable conductors	Finished outer diameter: 6 to 30 mm
Maximum rated voltage to earth	600 V AC (CAT IV)
Display update rate	500 ms±10 ms
Functions	Hold, Backlight, Buzzer, Auto power off, Battery low warning
Drop proof	On concrete: 1 m (3.28 ft)
Dustproof and waterproof	Device body only (excluding voltage sensor) : IP54 (EN60529)
Power supply	LR6 (AA) alkaline battery x4, Continuous operating time: Approx. 5 hours

## FT6031

Model	FT6031		
Measurement system	Switchable between two- and three- pole methods		
Measurement range	20 Ω (0 to 200.0 Ω)	200 Ω (0 to 200.0 Ω)	2000 Ω (0 to 2000 Ω)
Accuracy	±1.5% rdg. ±8 dgt.	±1.5% rdg. ±4 dgt.	±1.5% rdg. ±4 dgt.
Earth voltage	0 to 30.0 Vrms Accuracy: ±2.3% rdg. ±8 dgt. (50/60 Hz), ±1.3% rdg. ±4 dgt. (DC)		
Dustproof and waterproof	IP65/ IP67 (EN60529)		
Power supply	LR6 (AA) alkaline battery x4 Possible number of measurements: 400 times (measurement conditions: three-pole method, measuring 10 Ω)		

## LR8514

Model	LR8514
Number of channels	2 ch 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% rh to 100% rh
Other	Humidity sensor sold separately

## DT4223, DT4224

Model	DT4223	DT4224
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 mF	N/A
Frequency	99 Hz - 9.9 kHz	✓
Continuity check	600 Ω	✓
Diode check	1.5 V	N/A
Voltage detection	Hi/Lo	✓

## DT4254, DT4255, DT4256

Model	DT4254	DT4255	DT4256
DC Voltage	600 mV - 1000 V 1700 V	✓	✓
AC Voltage	6 V - 1000 V	✓	✓
AC/DC voltage automatic detection	600 V	✓	✓
DC Current	60 mA - 600 mA 6 A - 10 A	N/A	N/A
AC Current	600 mA 6 A - 10 A	N/A	N/A
AC Current (Clamp sensor)	10 A - 1000 A	N/A	✓
Resistance	600 Ω - 60 MΩ	N/A	✓
Capacitance	1 μF - 10 mF	N/A	✓
Frequency	99 Hz - 9.9 kHz	✓	✓
Continuity check	600 Ω	N/A	✓
Diode check	1.5 V	N/A	✓
Voltage detection	Hi/Lo	✓	✓

## IR3455

- Measure insulation of high-voltage equipment (such as transformers, cables, and motors)
- Wide testing voltage range, up to 5.00 kV from 250 V DC
- Wide measurement insulation range, up to 10 TΩ
- PI (Polarization Index) and DAR (Dielectric Absorption Ratio) automatically calculated / display
- Data memory function to reduce handwritten notes
- Bright LED luminous scale
- Extended operating temperature range of -10°C to 50°C

## PQ3100

- Record data including voltage, current, power, harmonics, and flicker simultaneously along a single time axis (Flicker recording available in future firmware update)
- Capture all power anomalies, including instantaneous outages, voltage drops, and frequency fluctuations, while simultaneously recording trend data
- 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 10 seconds after an anomaly occurs
- Accurately 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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