

## DIGITAL / ANALOG HiTESTER SERIES

Multi Meters



A Full Line-up of Digital and Analog Multimeters to Suit Any Need



ISO 9001  
JMI-0216



ISO 14001  
JQA-E-90091



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HIOKI company overview, new products, environmental considerations and other information are available on our website.

From Basic Testing to  
High Performance Analysis

# A Complete HIOKI Digital Multimeter Line-up to Suit Your Needs




## Selection guide

	3255-50	3256-50	3257-50	3805-50	3802-50	3801-50
<b>From Basic Testing to High Performance Analysis</b>						
<b>Basic Specifications</b>						
AC measurement method	Mean	Mean	True RMS	True RMS	True RMS	True RMS
Maximum display count	4199	4200	4200	9999	51000	51000
DCV : Best Accuracy	±0.5 %rdg. ±4dgt.	±0.5 %rdg. ±2dgt.	±0.5 %rdg. ±2dgt.	±0.09 %rdg. ±2dgt.	±0.03 %rdg. ±5dgt.	±0.025 %rdg. ±5dgt.
Dual display	—	—	—	—	●	●
Bar graph display	—	●	●	●	●	●
Display backlight function	—	—	—	●	●	●
CAT IV	—	—	600V	—	600V	600V
CAT III	600V	600V	1000V	600V	1000V	1000V
CAT II	1000V	1000V	—	1000V	—	—
<b>Range</b>						
DC Voltage	419.9 mV to 1000 V	420.0 mV to 1000 V	420.0 mV to 1000 V	999.9 mV to 999.9 V	51.000 mV to 1000.0 V	51.000 mV to 1000.0 V
AC Voltage	419.9 mV to 1000 V	420.0 mV to 1000 V	420.0 mV to 1000 V	999.9 mV to 999.9 V	51.000 mV to 1000.0 V	51.000 mV to 1000.0 V
DC Current	—	42.00µA to 10.00A	42.00µA to 10.00A	999.9 µA to 9.99 A	510.00 µA to 10.000A	510.00 µA to 10.000 A
AC Current	CLAMP (ACA) function*1 10A to 1000A	42.00µA to 10.00A	42.00µA to 10.00A	999.9 µA to 9.99 A	510.00 µA to 10.000 A	510.00 µA to 10.000 A
Resistance (*2Conductance)	419.9Ω to 41.99MΩ	420.0Ω to 42.00MΩ	420.0Ω to 42.00MΩ	999.9 Ω to 99.99 MΩ	510.00 Ω to 51.000 MΩ (*2 510.00nS)	510.00 Ω to 510.00 MΩ (*2 510.00nS)
Capacitance	—	—	—	9.999 µF to 9.999 mF	9.999 nF to 99.99 mF	9.999 nF to 99.99 mF
AC+DC	—	—	—	—	—	●
Temperature	—	—	—	●	●	●
Frequency	—	●	●	●	●	●
Frequency counter	—	—	—	—	—	●
DUTY ratio	—	—	●	—	●	●
Pulse width	—	—	—	—	●	●
Contact Check Buzzer	●	●	●	●	●	●
<b>Function</b>						
Peak hold	—	—	—	—	●	●
Recording	—	●	●	●	●	●
Refresh hold (HOLD AUTO)	—	●	●	●	●	●
Trigger hold (HOLD)	●	●	●	●	●	●
Relative (REL)display	—	●	●	●	●	●
Percentage display (4-20mA/0-20mA)	—	—	—	●	●	●
Temperature difference between 2 points	—	—	—	●	—	—
Harmonic Ratio	—	—	—	●	—	—
Decibel display (dbm/dbv)	—	—	—	—	●	●
Pulse output	—	—	—	—	—	●



\*1 Clamp-on probe : Option

CAT	Test lead L9207-10/L9207-30	
Sleeve attached	CAT IV 600V	When the CAT (measurement category) rating of the main unit is lower than that of test leads, the CAT of the main unit takes precedence. <b>When measuring in a CAT IV or CAT III environment, be sure to attach the sleeve to the test leads.</b>
	CAT III 1000V	
No Sleeve attached	CAT II 1000V	

## Selection guide (Pocket size DMM)

	3244-60	3245-60	3246-60
			
<b>Basic Specifications</b>			
AC measurement method	Mean	Mean	Mean
Maximum display count	4199	4199	4199
Display backlight function	—	—	●
Sleeve attached	CAT IV	—	300V
	CAT III	300V	600V
No sleeve attached	CAT II	600V	600V
<b>Function &amp; Range</b>			
DC Voltage	419.9 mV to 500 V	419.9 mV to 600 V	419.9 mV to 600 V
AC Voltage	4.199 V to 500 V	4.199 V to 600 V	4.199 V to 600 V
Resistance	419.9Ω to 41.99MΩ	419.9Ω to 41.99MΩ	419.9Ω to 41.99MΩ
Contact Check Buzzer	●	●	●

## ● Analog Multimeters

3030-10	3008
	
Basic type	Use for industrial power lines
<b>DROP PROOF</b>	<b>DROP PROOF</b>

## ● SAFETY HiTESTER 3258



Measure voltage on insulated electric cables

Refer to page 8 for details ▶

## New product information

### New insulated test pin sleeves prevents short-circuits

Conforms to safety standard IEC61010-031 (revised) for hand-held probes



Sleeve attached      No Sleeve attached

**What are the new and additional requirements of the international safety standards?**

1. "Exposed metal part must be 4mm or shorter" (Previously, 19mm max.) for CAT III and IV environments to prevent short-circuits from occurring.
2. Double-coating with different colors enables you to identify the wear condition of the test leads. (Previously, single-coated)

### Detachable!

When a sleeve is not attached, the test leads can only be used in a CATII environment.

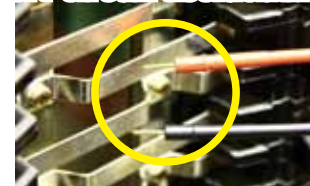


\*When used in CATIII environments, test pin sleeves are required. Included as a standard accessory (This sleeve cannot be attached to previous products)

No sleeves attached to the tip of test leads?

**DANGER of short-circuit accident!!**

Previous model ▶



With a sleeve attached to the tip of test leads, short-circuit accidents can be prevented.

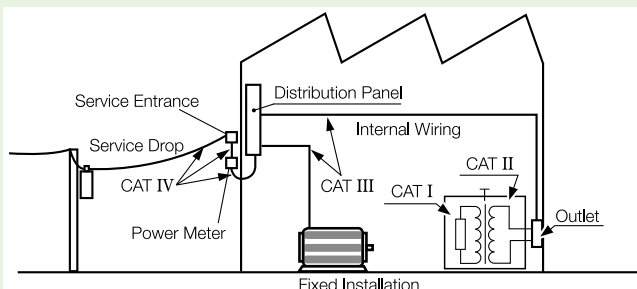
NEW! ▶



### Measurement categories (Overvoltage categories)

To ensure safe operation of measurement products, IEC 61010 establishes safety standards for various electrical environments, categorized as CAT I to CAT IV, and called measurement categories. These are defined as follows.

- CAT I** : Secondary electrical circuits connected to an AC electrical outlet through a transformer or similar device.
- CAT II** : Primary electrical circuits in equipment connected to an AC electrical outlet by a power cord (portable tools, household appliances, etc.)
- CAT III** : Primary electrical circuits of heavy equipment (fixed installations) connected directly to the distribution panel, and feeders from the distribution panel to outlets.
- CAT IV** : The circuit from the service drop to the service entrance, and to the power meter and primary overcurrent protection device (distribution panel).



Higher-numbered categories correspond to electrical environments with greater momentary energy, so a measurement product designed for CAT III environments can endure greater momentary energy than one designed for CAT II. Using a measurement product in an environment designated with a higher-numbered category than that for which the product is rated could result in a severe accident, and must be carefully avoided.

Never use a CAT I measuring product in CAT II, III, or IV environments.

The measurement categories comply with the Overvoltage Categories of the IEC60664 Standards.

# Multi-function DMM SERIES

## DIGITAL HiTESTER 3801-50 3802-50

### High-precision, high-resolution, and multi-functional handy DMMs

- Dual display shows different two parameters simultaneously
- Useful backlight function for use in dark locations.
- Record maximum, minimum and average values into the internal memory
- USB communication function for PC measurement (optional)
- AC+DC measurement mode / pulse output function (3801-50 only)

#### Main Differences

	3801-50	3802-50
Best DC Accuracy	±0.025 %rdg. ±5dgt.	±0.03 %rdg. ±5dgt.
AC+DC	●	—
Frequency counter	●	—
Pulse output	●	—



True RMS

USB 1.1  
OPTION



3801-50

#### Pulse Output Function (3801-50 only)

Use as a control or standard signal source for measurement systems or electronic circuits.

Pulse frequency and duty cycle (or pulse width) can be specified.

- Frequency settings: 0.5, 1, 2, 5, 10, 15, 20, 25, 30, 40, 50, 60, 75, 80, 100, 120, 150, 200, 240, 300, 400, 480, 600, 800, 1200, 1600, 2400 or 4800 Hz
- Duty cycle setting range: 0.39% to 99.60%
- Pulse width settings: 1/frequency
- Amplitude: fixed 2.8 V
- Output impedance: 3.5 kΩ or less

#### 3801-50 / 3802-50

Function	Range	Best Accuracy	
		3801-50	3802-50
DC Voltage	51.000 mV/ 510.00 mV/ 1000.0 mV 5.1000 V/ 51.000 V/ 510.00 V/ 1000.0 V	±0.025 %rdg. ±5dgt.	±0.03 %rdg. ±5dgt.
AC Voltage	51.000 mV/ 510.00 mV/ 1000.0 mV 5.1000 V/ 51.000 V/ 510.00 V/ 1000.0 V	±0.4 %rdg. ±25dgt.	±0.6 %rdg. ±25dgt.
DC Current	510.00 μA/ 5100.0 μA/ 51.000 mA/ 510.00 mA 5.1000 A/ 10.000 A	±0.05%rdg. ±25dgt.	±0.1%rdg. ±25dgt.
AC Current	510.00 μA/ 5100.0 μA/ 51.000 mA/ 510.00 mA 5.1000 A/ 10.000 A	±0.7%rdg. ±20dgt.	±0.8%rdg. ±20dgt.
Resistance	510.00 Ω/ 5.1000 kΩ/ 51.000 kΩ/ 510.00 kΩ 5.1000 MΩ/ 51.000 MΩ (3801-50 only 510.00 MΩ)	±0.05%rdg. ±5dgt.	±0.08%rdg. ±5dgt.
Conductance	510.00 nS	±1.0%rdg. ±10dgt.	±1.0%rdg. ±10dgt.
Continuity	Threshold value :Buzzer sounds less than 1000 counts for each range.		
Capacitance	9.999 nF/ 99.99 nF/ 999.9nF 9.999 μF/ 99.99 μF/ 999.9 μF/ 9.999mF/ 99.99 mF	±1.5%rdg. ±5dgt.	±1.5%rdg. ±5dgt.
Frequency	99.999 Hz/ 999.99 Hz 9.9999 kHz/ 99.999 kHz/ 999.99kHz	±0.02%rdg. ±3dgt.	±0.02%rdg. ±3dgt.



#### Temperature

Thermocouple Type	Range	Accuracy
K	-200.0 to 1372.0 °C (-328 to 2502 °F)	±0.3%rdg. ±3 °C
J (3801-50 only)	-210.0 to 1200.0 °C (-346 to 2192 °F)	(±0.3%rdg. ±6 °F)

Accuracy does not include temperature probe error

Response time:60 minutes (main unit reference contact temperature compensation)

**Dimensions** :Approx. 100W × 202H × 57D mm (3.94"W×7.95"H×2.24"D) including protective holster

**Mass** :Approx. 680 g (24.0 oz.) including protective holster and battery

#### Accessories

TEST LEAD (1)  
Holster (1)

#### Options

TEST LEAD L9207-10 CLIP TYPE LEAD \*9618  
CARRYING CASE 3853 (for capacitance measurement)  
COMMUNICATION PACKAGE (USB) 3856-02  
TEMPERATURE PROBE \*9180 to \*9183  
TEMPERATURE PROBE 9472 to 9476

\*Note: Non-CE mark product

#### COMMON OPTIONS

3801-50 / 3802-50 / 3805-50

#### COMMUNICATION PACKAGE 3856-02 (USB)

Includes application software and USB cable for transferring test data to the PC. User-customizable and programmable to add remote control functions.

- Operating environment: Windows 2000, XP, Vista\*
- Acquisition interval: 1 second to 99 hours
- Transfer: Up to 65,525 data points
- Other functions:Header settings, save files in CSV format

\*Windows 2000, XP, Vista are registered trademarks of Microsoft Corp.,USA

Discontinued

# Multi-function DMM SERIES

## DIGITAL HiTESTER 3805-50

**High-precision, high-resolution, and multi-functional handy DMMs**

- Record maximum / minimum / average value
- Relative value display
- Simple performance and low cost, Basic accuracy  $\pm 0.09\%$
- PC communication via USB (using optional accessories)
- For Power line distortion check (Harmonic distortion % display)
- Temperature scanning function (T1, T2, T1-T2)

### Temperature

Thermocouple Type	Range	Accuracy
K	-40 to 1372°C (-40 to 2502°F)	$\pm 0.3\%$ rdg, $\pm 3^\circ\text{C}$
J	-40 to 1200°C (-40 to 2192°F)	$(\pm 0.3\%$ rdg, $\pm 6^\circ\text{F})$

Accuracy does not include temperature probe error. Response time: 60 minutes (main unit reference contact temperature compensation time)

### 3805-50

Function	Range	Best Accuracy
		3805-50
DC Voltage	999.9 mV / 9.999 V / 99.99 V / 999.9 V	$\pm 0.09\%$ rdg, $\pm 2$ dgt.
AC Voltage	999.9 mV / 9.999 V / 99.99 V / 999.9 V	$\pm 1.0\%$ rdg, $\pm 5$ dgt.
DC Current	999.9 $\mu\text{A}$ / 9999 $\mu\text{A}$ / 99.99 mA / 999.9 mA / 9.99 A	$\pm 0.1\%$ rdg, $\pm 3$ dgt.
AC Current	999.9 $\mu\text{A}$ / 9999 $\mu\text{A}$ / 99.99 mA / 999.9 mA / 9.99 A	$\pm 1.0\%$ rdg, $\pm 5$ dgt.
Resistance	999.9 $\Omega$ / 9.999 k $\Omega$ / 99.99 k $\Omega$ / 999.9 k $\Omega$ / 9.999 M $\Omega$ / 99.99 M $\Omega$	$\pm 0.3\%$ rdg, $\pm 3$ dgt.
Capacitance	9.999 $\mu\text{F}$ / 99.99 $\mu\text{F}$ / 999.9 $\mu\text{F}$ / 9.999 mF	$\pm 2.0\%$ rdg, $\pm 5$ dgt.
Frequency	9.999 Hz / 99.99 Hz / 999.9 Hz / 9.999 kHz / 99.99 kHz / 200.0 kHz	$\pm 0.03\%$ rdg, $\pm 3$ dgt.
Continuity	Buzzer sounds at a resistance equivalent to or less than 100 counts ( $\pm 5\%$ ) for each range.	
Diode	2.100V	$\pm 0.3\%$ rdg, $\pm 2$ dgt.

**Dimensions** : Approx. 83W × 178H × 58D mm (3.27"W × 7.01"H × 2.28"D)  
including protective holster, not including protrusions

**Mass** : Approx. 400g (14.1 oz.) including protective holster and battery

### Accessories

TEST LEAD (1)  
Holster (1)

### Options

TEST LEAD L9207-10  
CARRYING CASE 3853  
COMMUNICATION PACKAGE (USB) 3856-02

TEMPERATURE PROBE \*9180 to \*9183  
TEMPERATURE PROBE 9472 to 9476

CLIP TYPE LEAD \*9618  
(for capacitance measurement)

*\*Note: Non-CE mark product*



3805-50

## DIGITAL HiTESTER 3255-50

**Tough for use on industrial power lines**

- Built-in current limiter and fuse capable of withstanding 1000 V to prevent short-circuit accidents
- Wide range, maximum reading 4199 digit
- Two-terminal configuration eliminates the need for probe reconnections
- Industrial grade test leads for enhanced safety

Function	Range	Best Accuracy
DC Voltage	419.9 mV / 4.199 V / 41.99 V / 419.9 V / 1000 V	$\pm 0.5\%$ rdg, $\pm 4$ dgt.
AC Voltage	419.9 mV / 4.199 V / 41.99 V / 419.9 V / 1000 V	$\pm 1.2\%$ rdg, $\pm 4$ dgt.
AC Current	10A to 1000A, 7 ranges with optional clamp	$\pm 2.0\%$ rdg, $\pm 4$ dgt.
Resistance	419.9 $\Omega$ / 4.199 k $\Omega$ / 41.99 k $\Omega$ / 419.9 k $\Omega$ / 4.199 M $\Omega$ / 41.99 M $\Omega$	$\pm 0.7\%$ rdg, $\pm 4$ dgt.
Continuity	419.9 $\Omega$ *Buzzer sounds at approx 50 $\Omega$ ± 40 $\Omega$ or less	
Diode check	Yes(3.4V/850 $\mu\text{A}$ max. open terminal voltage)	$\pm 1.0\%$ rdg, $\pm 2$ dgt.

**Dimensions** : Approx. 70W × 145H × 31D mm (2.76"W × 5.71"H × 1.22"D)

**Mass** : Approx. 210 g (7.4 oz.)

### Accessories

TEST LEAD (1)  
CARRYING CASE 9371

### Options

TEST LEAD L9207-10  
CLAMP ON PROBE 9010-50 (AC500A)  
CRAMP ON PROBE 9132-50 (AC1000A)  
CONVERSION ADAPTER 9704 (Input: BNC., Output: banana)



# Multi-function DMM SERIES

## DIGITAL HiTESTER 3256-50 3257-50

### Terminal shutter interlock mechanism

- Terminal shutter interlock mechanism exposes only the correct terminals for connection in the currently selected function
- Wide range, maximum reading 4200 digit
- High-speed response, bar graph display
- Conforms with IEC1010
- Auto-hold function automatically displays voltage or current value and resistance value



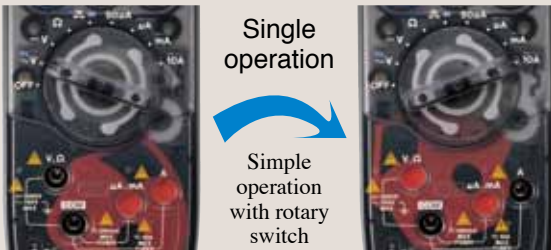
3256-50 (MEAN)

3257-50 (True RMS)



### Fail-safe!

Shutter mechanism prevents incorrect test lead connection



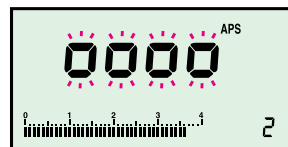
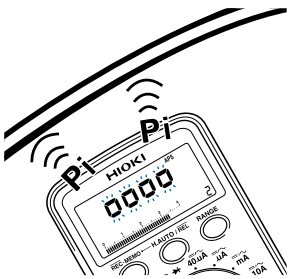
Voltage ranges  
Only V and COM terminals open

10A range  
Only A and COM terminals open

\* The above photograph shows a demonstration model with a transparent cover.

### 3256-50 Only

- Check for live lines safely and easily

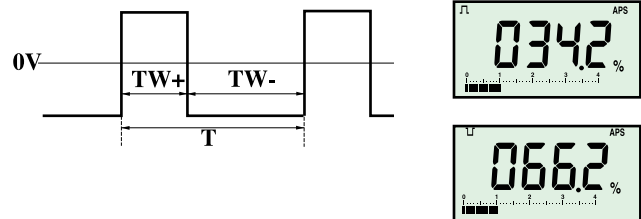


Buzzer sounds and flashing

In the AC V range, the 3256-50 can be used to check whether power lines are live. When the sensitivity level is set to 4 and the test head is placed near a live power line, the built-in buzzer sounds and a display indicator lights.

### 3257-50 Only

- Analyze pulse control signals



The ratio between pulse width (TW + or TW-) and pulse recursion cycle (T) is displayed as a percentage.

- Display range : 5 to 95%
- Accuracy : 10Hz to 1kHz ;  $\pm 1.0\% \text{rdg.} \pm 15 \text{dgt.}$   
1kHz to 10kHz ;  $\pm 1.0\% \text{rdg.} \pm 50 \text{dgt.}$

Accuracy rating pertains to a square wave of 5Vp-p.

Function	Range	Best Accuracy
DC Voltage	420.0 mV/ 4.200 V/ 42.00 V/ 420.0 V/ 1000 V	$\pm 0.5\% \text{rdg.} \pm 2 \text{dgt.}$
AC Voltage	420.0 mV/ 4.200 V/ 42.00 V/ 420.0 V/ 1000 V	$\pm 1.2\% \text{rdg.} \pm 3 \text{dgt.}$
DC Current	42.00 $\mu\text{A}$ / 420.0 $\mu\text{A}$ / 4200 $\mu\text{A}$ / 42.00 mA/ 420.0 mA/ 10.00 A	$\pm 1.5\% \text{rdg.} \pm 4 \text{dgt.}$
AC Current	42.00 $\mu\text{A}$ / 420.0 $\mu\text{A}$ / 4200 $\mu\text{A}$ / 42.00 mA/ 420.0 mA/ 10.00 A	$\pm 2.5\% \text{rdg.} \pm 5 \text{dgt.}$
Resistance	420.0 $\Omega$ / 4.200 k $\Omega$ / 42.00 k $\Omega$ / 420.0 k $\Omega$ / 4.200 M $\Omega$ / 42.00 M $\Omega$	$\pm 0.7\% \text{rdg.} \pm 2 \text{dgt.}$
Frequency	199.99 Hz/ 1999.9Hz/ 19.999kHz/ 199.99kHz/ 500.0kHz	$\pm 0.02\% \text{rdg.} \pm 1 \text{dgt.}$
Continuity	420.0 $\Omega$ *Buzzer sounds at approx 50 $\Omega$ ± 40 $\Omega$ or less	
Diode	2.00V	$\pm 5.0\% \text{rdg.} \pm 2 \text{dgt.}$

**Dimensions** : Approx. 76W × 167H × 33D mm (2.99"W×6.57"H×1.30"D)

**Mass** : Approx. 260 g (9.2 oz.)

### Accessories

TEST LEAD (1)  
CARRYING CASE 9378

### Options

TEST LEAD L9207-10  
HIGH-VOLTAGE PROBE \*9014  
CARRYING CASE 3853

\*Note: Non-CE mark product

# POCKET SIZE DMM SERIES

## CARD HiTESTER 3244-60

**Compact! Palm size body, Less than 1cm thin!**

- Better contact test leads with 15mm gold-plated tip pin
- Only 9.5 mm (0.37 in) thick and 60 g (2.1 oz) in weight
- Full auto-ranging function and automatic power saving function
- Overload protection to 500 V at resistance or continuity functions

Function	Range	Best Accuracy
DC Voltage	420.0 mV/ 4.200 V/ 42.00 V/ 420.0 V/ 500 V	±0.7 %rdg. ±4dgt.
AC Voltage	4.200 V/ 42.00 V/ 420.0 V/ 500 V	±2.3 %rdg. ±8dgt.
Resistance	420.0 Ω/ 4.200 kΩ/ 42.00 kΩ/ 420.0 kΩ/ 4.200 MΩ/ 42.00 MΩ	±2.0 %rdg. ±4dgt.
Continuity	420.0 Ω *Buzzer sounds at approx 50Ω± 40Ω or less	±2.0 %rdg. ±4dgt.

Dimensions :Approx. 55W × 109H × 9.5D mm (2.17"W×4.29"H×0.37"D)  
Mass :Approx. 60 g (2.1 oz.)



CE

### Accessories

Hard case (1)  
Sleeve (red 1, black 1)

## SOLAR HiTESTER 3245-60

**Environmentally-friendly DMM**

- Hybrid power system incorporates both a solar-charged main battery and a backup battery
- Pocket-sized, CATIII (600V) and CATIV (300V) conformance (when test pin sleeves are attached)
- Neat test probe storage in the back of the unit

Function	Range	Best Accuracy
DC Voltage	420.0 mV/ 4.200 V/ 42.00 V/ 420.0 V/ 600 V	±1.3 %rdg. ±4dgt.
AC Voltage	4.200 V/ 42.00 V/ 420.0 V/ 600 V	±2.3 %rdg. ±8dgt.
Resistance	420.0 Ω/ 4.200 kΩ/ 42.00 kΩ/ 420.0 kΩ/ 4.200 MΩ/ 42.00 MΩ	±2.0 %rdg. ±4dgt.
Continuity	420.0 Ω *Buzzer sounds at approx 50Ω± 40Ω or less	±2.0 %rdg. ±4dgt.

Dimensions :Approx. 60W × 135H × 23D mm (2.36"W×5.31"H×0.91"D)  
Mass :Approx. 140 g (4.9 oz.)

CE

### Accessories

Sleeve (red 1, black 1)



## PENCIL HiTESTER 3246-60

**Pencil-type DMM with LED Light**

In addition to being compact, this pencil-type tester comes with auto-range and data hold functions for incredibly easy measurement of electrical and electronic circuitry.

- Test lead and main unit in a single body
- Overload protection to 600 V at resistance or continuity functions
- LED light brightly illuminates test points

**Backlight LCD**



Function	Range	Best Accuracy
DC Voltage	420.0 mV/ 4.200 V/ 42.00 V/ 420.0 V/ 600 V	±1.3 %rdg. ±4dgt.
AC Voltage	4.200 V/ 42.00 V/ 420.0 V/ 600 V	±2.3 %rdg. ±8dgt.
Resistance	420.0 Ω/ 4.200 kΩ/ 42.00 kΩ/ 420.0 kΩ/ 4.200 MΩ/ 42.00 MΩ	±2.0 %rdg. ±4dgt.
Continuity	420.0 Ω *Buzzer sounds at approx 50Ω± 40Ω or less	±2.0 %rdg. ±4dgt.
Diode Check	Judgment only (0.3V to 2.0V)	

Dimensions :Approx. 30W × 182H × 26.5D mm (1.18"W×7.17"H×1.04"D)  
Mass :Approx. 80 g (2.8 oz.)



CE

### Accessories

Sleeve (red 1, black 1)

**Penlight**



Penlight brightly illuminates test points

# Analog Multimeters and Voltage Meters

## HITESTER 3030-10

Basic tester with improved safety features

- Protected against transient voltages up to 250 V AC, preventing electric shock accidents before they can happen
- Drop proof design withstands dropping onto a concrete floor from a height of 1 meter



### Options

TEST LEAD L9207-30  
\*HIGH-VOLTAGE PROBE 9017 (up to 30 kV DC)  
\*Note: Non-CE mark product



SPECIFICATIONS	
DC Voltage range	0.3 V (16.7 k-ohm/V), 3/12/30/120/300/600 V (20 k-ohm/V) Accuracy: $\pm 2.5\%$ f.s.
AC Voltage range	12 V (9 k-ohm/V) Accuracy: $\pm 4\%$ f.s. 30/120/300/600 V (9 k-ohm/V) Accuracy: $\pm 2.5\%$ f.s. Average rectifier effective value
Resistance range	0 to 3 k-ohm (center scale 30 ohm), R $\times 1$ , R $\times 10$ , R $\times 100$ , R $\times 1$ k $\pm 3\%$ of scale length
DC Current range	60 $\mu$ A/30 m/300 mA (300 mV internal voltage drop) Accuracy: $\pm 3\%$ f.s.
Other functions	Battery check: 0.9 to 1.8 V, load resistance 10 ohm
Safety considerations	Complies with EN61010 Installation Category III (anticipated transient overvoltage 6000 V), Pollution Degree 2
Power supply	R6P(AA) $\times 2$ batteries
Dimensions, mass	95 mm(3.74 in)W $\times$ 141 mm(5.55 in)H $\times$ 39 mm(1.54 in)D, 280 g (9.9 oz)
Accessories	TEST LEAD (1), fuse (1), CARRYING CASE 9390 (1)

The TEMP scale on Model 3030-10 is not effective without Model 9021-01 Temperature Probe, which has been discontinued.

To prevent electric shock, a fuse for protection up to a commercial power supply of 250V is integrated into the internal circuitry of Model 3030-10. Please note that the fuse is not intended for preventing damage to the unit.

## MULTI TESTER 3008

For maintenance service

- Designed for maintenance of high power lines
- Drop proof design withstands dropping onto a concrete floor from a height of 1 meter
- High-power fuse protects up to 50,000A
- Supply current limiting resistance of 10-ohm restricts short circuit current



SPECIFICATIONS	
DC Voltage range	6/30/60/300/600 V (20 k-ohm/V) Accuracy: $\pm 2.5\%$ f.s.
AC Voltage range	6/30/150/300/600 V (10k-ohm/V) Accuracy: $\pm 2.5\%$ f.s. Average rectifier effective value
Resistance range	0 to 10 k-ohm (center scale 100 ohm), R $\times 1$ , R $\times 10$ , R $\times 100$ $\pm 3\%$ of scale length
Safety considerations	Protection: 1A rated, guaranteed current 50,000A high-power fuse and 10 ohm resistor for restricting short circuit current
Power supply	R6P(AA) $\times 2$ batteries
Dimensions, mass	94 mm(3.70 in)W $\times$ 134 mm(5.28 in)H $\times$ 56 mm(2.20 in)D, 350 g (12.3 oz)
Accessories	TEST LEAD 9060 (1), fuse (1), CARRYING CASE (1)



## SAFETY HITESTER 3258

Voltage measurement safety assured by non Metallic contact testing

- Non-Metallic contact for optimum safety
- Capture the voltage value of covered electric wires
- Also ideal for metallic busbars and terminals
- Optimized for 400V AC circuits



Measure voltage on insulated electric cables

SPECIFICATIONS		
AC Voltage range (40 to 66Hz)	420.0 V	$\pm 1.5\%$ rdg. $\pm 5$ dgt.
	600 V	380 V to 480 V $\pm 2.0\%$ rdg. $\pm 5$ dgt. 481 V to 600 V $\pm 5.0\%$ rdg. $\pm 5$ dgt.
Objects of Measurement	Insulated conductors (IV or CV equivalent, min. 100 mm <sup>2</sup> x-section), bare metal conductors Note: Not usable on shielded conductors.	
Power supply	LR6 alkaline battery $\times 6$	
Dimensions, mass	83W $\times$ 178H $\times$ 58D mm (2.01"W $\times$ 10.83"H $\times$ 1.48"D) 670 g (23.6 oz)	
Accessories	Soft carrying case (1)	

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

# HIOKI

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