

3246 Pencil HiTESTER

Ultra-bright diode light lets you find hard-to-reach spots in dark locations



- ▶ 4.2 to 600V AC V
- ▶ 420m to 600 DC V
- ▶ Resistance
- ▶ 150 hours of continuous use on a single battery

600V circuit protection - no fuse required

Bright LCD backlight



Test probe fits neatly in the back

3801-50 True RMS

1ms Peak Hold

AC+DC



USB or RS-232C PC interface

Dual display with bright LCD backlight

CATIV 600V/
CATIII 1000V Safe

3802-50 True RMS



3801-50 & 3802-50

- ▶ 51m to 1000 AC and DC V
- ▶ 510μ to 10 AC and DC A
- ▶ Resistance, Conductance, Frequency, Continuity, Diode, Capacitance and Temperature
- ▶ Peak hold, duty pulse width and decibel conversion

3803

Basic economy model w/ RS-232C

200 hours of continuous use on a single battery



- 3803**
- ▶ 400m to 1000 AC and DC Voltage
 - ▶ 400μ to 10 AC and DC Current
 - ▶ Resistance, Continuity and Diode

3804-50

3805-50 True RMS

9999 display

Capacitance & 4-20mA%

Check for harmonic distortion



USB or RS-232C PC interfaces

3804-50 & 3805-50

- ▶ 1 to 1000 AC and DC V
- ▶ 400μ to 10 AC and DC A
- ▶ Resistance, Continuity, Diode, Max/Min/Avg
- ▶ Temperature on the 3805-50

3256-51



High-speed response and bar graph display

Terminal shutter interlock mechanism exposes only the correct terminals for connection in the currently selected function

- ▶ 420m to 1000 AC and DC V
- ▶ 42μ to 10 AC and DC A
- ▶ Resistance and Frequency
- ▶ Continuity and Diode Check

3257-51

True RMS



CATIV 600V/
CATIII 1000V Safe

3244



Fully automatic wide range + max. 4199 reading

150 hours of continuous use on a single battery

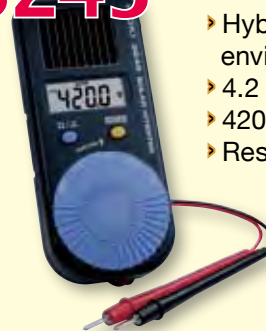
- ▶ Handy Card-sized DMM backed by HIOKI Quality
- ▶ 420m to 500 DC V
- ▶ 4.2 to 500 AC V
- ▶ Resistance and Continuity

3255-50



- ▶ Built-in current limiter and fuse capable of withstanding 600V to prevent short-circuit accidents
- ▶ Dust-proof, water-proof construction - perfect for industrial power lines
- ▶ 420m to 600 AC and DC V + Resistance

3245



- ▶ Hybrid power system supporting environmental conservation
- ▶ 4.2 to 600 AC V
- ▶ 420m to 600 DC V
- ▶ Resistance

DROP PROOF

3030-10



- ▶ Tough & Durable Analog Multimeter for Quick Readings
- ▶ 12 to 600 AC V
- ▶ 0.3 to 600 DC V
- ▶ 60μA to 300m DC A
- ▶ Resistance

DROP PROOF

3008



- ▶ Basic Analog Multimeter with wide range
- ▶ 6 to 600 AC and DC V
- ▶ 10k to 1MΩ Resistance (No CE)

Basic

	3244	3246	3030-10	3255-50	3256-50/51
True RMS	--	--	--	--	--
DC Voltage	420mV to 500V 5 ranges	420.0mV to 600V 5 ranges	0.3 to 600V 7 ranges	420.0mV to 1000V 5 ranges	420.0mV to 1000V 5 ranges
Best Accuracy	±0.7% rdg. ±4dgt.	± 1.3% rdg. ±4dgt.	±2.5% f.s.	±0.5% rdg. ±4dgt.	±0.5% rdg. ±2dgt.
AC Voltage	4.200V to 500V 4 ranges	4.200V to 600V 4 ranges	12V to 600V 5 ranges	420.0mV to 1000 V 5 ranges	420.0mV to 1000V 5 ranges
Best Accuracy	±2.3% rdg. ±8 dgt.	± 2.3% rdg. ± 8dgt.	±2.5% f.s.	±1.2% rdg. ±4dgt.	±1.2% rdg. ±3 dgt.
Frequency Characteristics at ACV	50 to 500 Hz	50 to 500 Hz	--	50 to 500 Hz	50 to 500 Hz
AC+DC Voltage	--	--	--	--	--
Best Accuracy	--	--	--	--	--
DC Current	--	--	60µA/30m/ 300mA	--	42.00µA to 10.00A 6 ranges
Best Accuracy	--	--	±3% f.s.	--	±1.5% rdg. ±4dgt.
AC Current	--	--	--	10.00A to 1000A with optional clamp, 7 ranges	42.00µA to 10.00A 6 ranges
Best Accuracy	--	--	--	±2.0% rdg. ±4dgt.	±2.5% rdg. ±5dgt.
Frequency Characteristics at ACA	--	--	--	--	50 to 500 Hz
AC+DC Current	--	--	--	--	--
Best Accuracy	--	--	--	--	--
Resistance	420.0Ω to 42.00MΩ 6 ranges	420.0Ω to 42.00MΩ 6 ranges	0 to 3kΩ 4 ranges	420.0Ω to 42.00MΩ 6 ranges	420.0Ω to 42.00MΩ 6 ranges
Best Accuracy	±2.0% rdg. ±4dgt.	± 2.0% rdg. ±4dgt.	±3% of scale length	±0.7% rdg. ±4dgt.	±0.7% rdg. ±2dgt.
Frequency	--	--	--	--	0.50 Hz to 500.0 kHz
Best Accuracy	--	--	--	--	±0.02% rdg. ±1dgt.
Frequency Counter	--	--	--	--	--
Temperature	--	--	yes	--	--
Continuity	50Ω ±30Ω	50Ω ±30Ω	--	45Ω ±35Ω	50Ω ±30Ω
Diode Check	--	yes	--	yes	yes
Voltage Detector	--	--	--	--	yes
Capacitance	--	--	--	--	--
Best Accuracy	--	--	--	--	--
Sampling Rate (V & A)	2.5 times/s	2.5 times/s	--	2.5 times/s	2.5 times/s
Display Hold	--	yes	--	yes	yes
Min/Max	--	--	--	--	yes
Data Output	--	--	--	--	--
Display	4199	4199	Analog	4199	4200
Bar Graph	--	--	yes	--	yes
Safety Category	CATII 500V	CATIII 600V	CATIII 600V	CATIII 600V	CATIII 600V

High Performance

3257-50/51	3803	3804-50	3805-50	3802-50	3801-50
yes	--	--	yes	yes	yes
420.0mV to 1000V 5 ranges	400.0mV to 1000V 5 ranges	999.9mV to 999.9V 4 ranges	999.9mV to 999.9V 4 ranges	51.000mV to 1000.0V 7 ranges	51.000mV to 1000.0V 7 ranges
±0.5% rdg. ±2dgt.	±0.6% rdg. ±2dgt.	±0.09% rdg. ±2dgt.	±0.09% rdg. ±2dgt.	±0.03% rdg. ±5dgt.	±0.025% rdg. ±5dgt.
420.0mV to 1000V 5 ranges	400.0mV to 1000V 5 ranges	999.9mV to 999.9V 4 ranges	999.9mV to 999.9V 4 ranges	51.000mV to 1000.0V 7 ranges	51.000mV to 1000.0V 7 ranges
±1.2% rdg. ±3 dgt.	±2.0 % rdg. ±2 dgt.	±1.2 % rdg. ±5 dgt.	±1.0% rdg. ±5 dgt.	±0.6%rdg. ±25dgt.	±0.4%rdg. ±25dgt.
50 to 500 Hz	40 to 500Hz	40 to 500 Hz	40 to 2kHz	30 to 30kHz	20 to 100kHz
--	--	--	--	--	51.000mV to 1000.0V 7 ranges
--	--	--	--	--	±0.4%rdg.±30dgt.
42.00µA to 10.00A 6 ranges	400.0µA to 10.00A 5 ranges	999.9µA to 9.99A 5 ranges	999.9µA to 9.99A 5 ranges	510.00µA to 10.000A 6 ranges	510.00µA to 10.000A 6 ranges
±1.5% rdg. ±4dgt.	±1.5% rdg. ±2dgt.	±0.1% rdg. ±3dgt.	±0.1% rdg. ±3dgt.	±0.2% rdg. ±10dgt.	±0.05% rdg. ±25dgt.
42.00µA to 10.00A 6 ranges	400.0µA to 10.00A 5 ranges	999.9µA to 9.99A 5 ranges	999.9µA to 9.99A 5 ranges	510.00µA to 10.000A 6 ranges	510.00µA to 10.000A 6 ranges
±2.5% rdg. ±5dgt.	±2.0% rdg. ±2dgt.	±1.2% rdg. ±5dgt.	±1.0% rdg. ±5dgt.	±0.8% rdg. ±20dgt.	±0.7% rdg. ±20dgt.
50 to 500 Hz	40 to 500 Hz	40 to 500Hz	40 to 2 kHz	30 to 20kHz	20 to 100kHz
--	--	--	--	--	510.00µA to 10.000A
--	--	--	--	--	±0.8%rdg.±25dgt.
420.0Ω to 42.00MΩ 6 ranges	400.0Ω to 40.00MΩ 6 ranges	999.9Ω to 99.99MΩ 6 ranges	999.9Ω to 99.99MΩ 6 ranges	510.00Ω to 51.000MΩ, 510nS 6 ranges	510.00Ω to 510.00MΩ,510nS 7 ranges
±0.7% rdg. ±2dgt.	±0.6% rdg. ±3dgt.	±0.3% rdg. ±3dgt.	±0.3% rdg. ±3dgt.	±0.08% rdg. ±5dgt.	±0.05% rdg. ±5dgt.
0.50 Hz to 500.0 kHz	--	--	9.999Hz to 999.9kHz	99.999Hz to 999.99kHz	99.999Hz to 999.99kHz
±0.02% rdg. ±1dgt.	--	--	±0.03% rdg. ±3dgt.	±0.02% rdg. ±3dgt.	±0.02% rdg. ±3dgt.
--	--	--	--	--	yes
--	--	--	yes/scanning	yes	yes
50Ω ±30Ω	34.5Ω	10Ω	10Ω	10Ω	10Ω
yes	yes	yes	yes	yes	yes
--	--	--	--	--	--
--	--	9.999µF to 9.999mF, 4 ranges	9.999µF to 9.999mF, 4 ranges	9.999nF to 99.99mF	9.999nF to 99.99mF
--	--	±2.0% rdg. ±5dgt.	±2.0% rdg. ±5dgt.	±1.5% rdg. ±5dgt.	±1.5% rdg. ±5dgt.
2.5 times/s	1.3 times/s	7 times/s	7 times/s	3.75 times/s	3.75 times/s
yes	yes	yes	yes	yes	yes
yes	--	yes	yes	yes	yes
--	RS-232C	USB/RS-232C	USB/RS-232C	USB/RS-232C	USB/RS-232C
4200	3999	9999	9999	51000	51000
yes	yes	yes	yes	yes	yes
CATIV 600V	CATIII 600V	CATIII 600V	CATIII 600V	CATIV 600V	CATIV 600V