

The Right Source For Your Test & Measurement Needs



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3244 CARD HITESTER

Field Measuring Instruments



A card size DMM with the emphasis on safety











Features

- Bears the CE mark
- Card size: only 9.5mm thick and 60g in weight
- 4199 measurement count
- Automatic power saving function
- Automatic range function
- 150 hours of continuous operation
- Overload circuit protection to 250V
- Test leads fit nicely in the case



JQA-F-90091



http://www.hioki.co.jp/

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

CAT II 500V

- Automatic power saving function saves your batteries even when you forget to turn off the power. Automatically save the power if there has been no operation for more than 30 minutes.
- 150 hours of continuous operation.

Almost double the time of conventional systems.

 Prevents short circuits before they occur. Overload protection to 250V. (Ω and continuity functions)



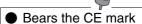
Comes with the case shown in the photograph.

4199 count display

 The test leads fit neatly inside the case.

Or, you can use the wrap around method shown in the photograph.

 Card size: only 9.5mm thick and 60g in weight



■ 3244 Specifications

Measurement method: Double integration

Display: Max. 4199 count LCD

Automatic display of minus sign (-) Overflow display "OF" and "-OF"

Range switching : Automatic Sampling rate : 2.5 times/s

Dielectric strength : 3.7 kVAC rms sin (50 Hz or 60 Hz for 1

minute) between the terminals and case

Max.overload

voltage : 500V AC/DC rms (sin) - ACV, DCV

(for 1 minute)

250V AC/DC rms (sin) - Ω , continuity

(for 1 minute)

Operating temperature: 0°C to 40°C, max. 80% rh or less Battery low indicator: Displays a "B" when current falls

below $2.3V \pm 0.15V$

Power supply : one CR2032 battery (3V DC)

Power consumption : Typically 4.0mW (for DC voltage)

Dimensions : 55 WX 109 HX 9.5 Dmm · 60g

Accessories : Carrying case

Safety standards : Complies with IEC 61010-1

Pollution degree 2, overvoltage

category II 500 V

EMC : EN61326-1

3244 CARD HITESTER

(All include TEST LEADS, Carrying case)

Measurement range (23°C±5°C, 80% rh or less, no condensation)

	Range	Measurement accuracy	Reference
DC V	420.0mV 4.200 V 42.00 V 420.0 V 500 V	±2.0%rdg.±4dgt. ±0.7%rdg.±4dgt. ±1.3%rdg.±4dgt. ±1.3%rdg.±4dgt. ±1.3%rdg.±4dgt.	Input impedance min. $100 \text{M}\Omega$ approx. $11 \text{M}\Omega$ approx. $10 \text{M}\Omega$ approx. $10 \text{M}\Omega$ approx. $10 \text{M}\Omega$ approx. $10 \text{M}\Omega$
AC V	4.200 V 42.00 V 420.0 V 500 V	±2.3%rdg.±8dgt. ±2.3%rdg.±8dgt. ±2.3%rdg.±8dgt. ±2.3%rdg.±8dgt.	$\begin{array}{ll} \text{Input impedance} \\ \text{approx.11M}\Omega \\ \text{approx.10M}\Omega \\ \text{approx.10M}\Omega \\ \text{approx.10M}\Omega \\ \text{approx.10M}\Omega \\ \text{approx.10M}\Omega \\ \end{array}$
Ω	420.0 Ω 4.200 kΩ 42.00 kΩ 420.0 kΩ 4.200MΩ 42.00MΩ	±2.0%rdg.±4dgt. ±2.0%rdg±4dgt. ±2.0%rdg.±4dgt. ±2.0%rdg.±4dgt. ±5.0%rdg.±4dgt. ±10.0%rdg.±4dgt.	Open-circuit voltage Max. 3.4V 0.7V(TYP.) 0.5V(TYP.) 0.5V(TYP.) 0.5V(TYP.) 0.5V(TYP.)
Continuity	420.0 Ω	±2.0%rdg.±6dgt.	Open-circuit voltage Max. 3.4V Threshold: $50\Omega \pm 30\Omega$



In some cases, power lines may carry voltage spikes of several times the normal supply voltage. For reasons of safety, ordinary testers should not be used to measure power lines carrying more than 250V. When measuring such power lines, always use a tester with built-in

overcurrent protection to guard against short circuits, such as models 3008 and a device showing the CAT $\rm I\!I\!I$ marking.

Note: The term "power line" refers to the entire electrical circuit providing power to factories, buildings and industrial machines. However, it does not include electrical circuits in ordinary dwellings (lines protected by fuses or circuit breakers).



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 $^{\ ^*}$ Contains a monitor battery. Replacement of the monitor battery is not performed free of charge.