

Field Measuring Instruments

3244 CARD HiTESTER

Good Design Product Selected by Ministry of International Trade and Industry (Japan)



(included hard case)



CAT II 500 V



Card size DMM with emphasis on safety

- Only 9.5 mm thick and 60 g in weight
- 4199 count display
- The test leads fit neatly inside the case. Or, you can use the wrap around method shown in the photograph
- Automatic power saving function saves your batteries even when you forget to turn off the power

OPTION

*9081 10A SHUNT

*Note: Non-CE mark product

3245 SOLAR HiTESTER



OPTION

*9081 10A SHUNT

*Note: Non-CE mark product



CAT III 600 V



Environmentally-friendly DMM

- Hybrid power system incorporates both a solar-charged main battery and a backup battery
- Vest-pocket sized CAT III conformance
- Advanced functionality
- Light meter function
- Neat test probe storage in the back of the unit
- Test probe attachment

3255 DIGITAL HiTESTER



OPTION

None



CAT III 600 V

Tough for use on industrial power lines

- Built-in current limiter and fuse capable of withstanding 600 V to prevent short-circuit accidents
- Conforms with IEC348 and IEC1010 for improved safety
- Automatic AC/DC discrimination function
- Wide range, maximum reading 3249 digit
- Two-terminal configuration eliminates the need for probe reconnections
- Industrial grade test leads for enhanced safety

3256-51 DIGITAL HiTESTER (with holster)



3256-50 (with carrying case)



CAT II 1000 V
CAT III 600 V

Terminal shutter interlock mechanism

- The terminal shutter interlock mechanism exposes only the correct terminals for connection in the currently selected function
- Wide range, maximum reading 5610 digit
- High-speed response, bar graph display
- Conforms with IEC1010
- Hold-auto function automatically displays maximum voltage or current value and minimum resistance value

OPTION

*9014 HIGH-VOLTAGE PROBE

*Note: Non-CE mark product

3853 CARRYING CASE (for -51 model only)



DIGITAL HiTESTERS

Table of functions

	3244	3245	3255	3256 ⁻⁵⁰ 3256 ⁻⁵¹
DC Voltage range	420 mV to 500 V, 5 ranges Best accuracy: $\pm 0.7\%$ rdg. ± 4 dgt.	420 mV to 600 V, 5 ranges Best accuracy: $\pm 1.3\%$ rdg. ± 4 dgt.	3.2 V to 600 V, 4 ranges Best accuracy: $\pm 0.5\%$ rdg. ± 4 dgt.	560.0 mV to 1000 V, 5 ranges Best accuracy: $\pm 0.35\%$ rdg. ± 2 dgt.
AC Voltage range	4.2 V to 450 V, 4 ranges Accuracy: $\pm 2.3\%$ rdg. ± 8 dgt. Average rectifier effective value	4.2 V to 600 V, 4 ranges Accuracy: $\pm 2.3\%$ rdg. ± 8 dgt. Average rectifier effective value	3.2 V to 600 V, 4 ranges Best accuracy: $\pm 2.0\%$ rdg. ± 8 dgt. Average rectifier effective value	560.0 mV to 750 V, 5 ranges Best accuracy: $\pm 1.5\%$ rdg. ± 4 dgt. Average rectifier effective value
Frequency characteristics at AC Voltage	50 to 500 Hz	50 to 500 Hz	50 to 500 Hz	50 to 500 Hz
Resistance range	420 Ω to 42 M Ω , 6 ranges Best accuracy: $\pm 2.0\%$ rdg. ± 4 dgt.	420 Ω to 42 M Ω , 6 ranges Best accuracy: $\pm 2.0\%$ rdg. ± 4 dgt.	320 Ω to 32 M Ω , 6 ranges Best accuracy: $\pm 1.5\%$ rdg. ± 4 dgt.	560.0 Ω to 56.00 M Ω , 6 ranges Best accuracy: $\pm 0.5\%$ rdg. ± 4 dgt.
DC Current range	None	None	None	56.00 μ A to 10.00 A, 6 ranges Accuracy: $\pm 1.5\%$ rdg. ± 4 dgt.
AC Current range	None	None	None	56.00 μ A to 10.00 A, 6 ranges Best accuracy: $\pm 2.5\%$ rdg. ± 4 dgt. Average rectifier effective value
Frequency characteristics at AC Current	None	None	None	40 to 500 Hz
Frequency range	None	None	None	4.00 Hz to 400.0 kHz, 5 ranges Input level: 400 mV to 750 V rms Accuracy: $\pm 0.02\%$ rdg. ± 1 dgt.
Continuity	<input type="radio"/> 50 Ω $\pm 30\ \Omega$	<input type="radio"/> 50 Ω $\pm 30\ \Omega$	<input type="radio"/> 250 Ω or less	<input type="radio"/> (100 Ω $\pm 80\ \Omega$) or less
Diode check	None	None	<input type="radio"/> (1.7 V open terminal voltage)	<input type="radio"/> (1.7 V open terminal voltage)
Other functions	None	Light meter function ("1000" equates to approx. 50,000 lx)	320 mV DC special range: $\pm 0.5\%$ rdg. ± 4 dgt. 320 mV AC special range: $\pm 2.0\%$ rdg. ± 8 dgt.	Hold-auto function
Auto power save	<input type="radio"/> (Cancel impossible)	<input type="radio"/> (Cancel impossible)	<input type="radio"/> (Cancel possible)	<input type="radio"/> (Cancel possible)
Range switching	Auto	Auto or Manual	Auto or Manual	Auto or Manual
Display	Digital/LCD, maximum 4199 dgt.	Digital/LCD, maximum 4199 dgt.	LCD, maximum 3249 dgt.	LCD, maximum 5610 dgt. (all mode) maximum 14999 dgt. (Frequency)
Bar graph display	None	None	None	<input type="radio"/> (Maximum 56 segments)
Sampling rate	2.5 times/sec	2.5 times/sec	2.5 times/sec	2.5 times/sec (all mode) 2 times/sec (Frequency) 20 times/sec (Bar graph)
Power supply	CR2032 \times 1 battery (Continuous use 150 hours)	Main battery: Rechargeable lithium Backup battery: CR2032 (3 V DC) \times 1 Backup battery life: 150 hours	R03(AAA) \times 2 dry batteries (Continuous use 400 hours)	R03(AAA) \times 2 dry batteries (Continuous use 500 hours)
Dimensions/mass	55W \times 109H \times 9.5D mm / 60 g	60W \times 135H \times 23D mm / 140 g	70W \times 145H \times 31D mm / 200 g	76W \times 167H \times 33D mm / 280 g
Included accessories	Hard case (1)	Carrying case (1)	9185 TEST LEAD (1) 9371 CARRYING CASE (1)	9170 TEST LEAD (1) -50: 9378 CARRYING CASE (1) -51: Holster (1)

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