

Field Measuring Instruments

3008 HiTESTER



For maintenance service

- Designed for maintenance of high power lines
- Drop-proof
- High-power fuse protects up to 50,000 A
- Supply current limiting resistance of 10 Ω restricts short circuit current

OPTION

None

3030-10 HiTESTER



CE Basic tester with improved safety features

CAT III 600 V

- 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
- LED check function
- Temperature measurement support (with optional probes)
- CE marking

OPTION

9021-01 THERMISTOR TEMPERATURE PROBE

*9005-01 CLAMP ON PROBE

*9017 HIGH-VOLTAGE PROBE

**Note: Non-CE mark product*

3218 PENCIL HiTESTER



Pencil-type DMM for convenience

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.

- Full - auto ranging, 1999 count display
- Prevents short circuits before they occur
- Overload protection to 250 V (Ω and continuity functions)

OPTION

9081 10A SHUNT

3243 DIGITAL HiTESTER



CE Highly reliable compact DMM

CAT III 500 V

- Conforms with IEC348 and IEC1010 for improved safety
- Automatic AC/DC discrimination function
- Wide range, maximum reading 3249 digit
- Auto power save function

OPTION

*9081 10A SHUNT

**Note: Non-CE mark product*



DIGITAL HiTESTERS

Table of functions

	3008	3030-10	3218	3243
DC Voltage range	6/30/60/300/600V (20 k Ω /V), Accuracy: ± 2.5 % f.s.	0.3 V (16.7 k Ω /V), 3/12/30/120/300/600 V (20 k Ω /V), Accuracy: ± 2.5 % f.s.	200 mV to 500 V, 5 ranges Best accuracy: ± 0.7 % rdg. ± 4 dgt.	320 mV to 450 V, 5 ranges Best accuracy: ± 0.7 % rdg. ± 4 dgt.
AC Voltage range	6/30/150/300/600 V (10 k Ω /V), Accuracy: ± 2.5 % f.s. Average rectifier effective value	12 V ± 4 % f.s. (9 k Ω /V) 30/120/300/600 V ± 2.5 % f.s. (9 k Ω /V), Average rectifier effective value	2 V to 500 V, 4 ranges Accuracy: ± 2.3 % rdg. ± 8 dgt. Average rectifier effective value	3.2 V to 450 V, 4 ranges Accuracy: ± 2.3 % rdg. ± 8 dgt. Average rectifier effective value
Frequency characteristics at AC Voltage	None	None	40 to 500 Hz	50 to 500 Hz
Resistance range	0 to 10 k Ω (center scale 100 Ω) R \times 1, R \times 10, R \times 100, ± 3 % of scale length	0 to 3 k Ω (center scale 30 Ω) R \times 1, R \times 10, R \times 100, R \times 1 k ± 3 % of scale length	200 Ω to 20 M Ω , 6 ranges Best accuracy: ± 2.0 % rdg. ± 4 dgt.	320 Ω to 32 M Ω , 6 ranges Best accuracy: ± 2.0 % rdg. ± 6 dgt.
DC Current range	None	60 μ A / 30 m / 300 mA (300 mV internal voltage drop) Accuracy: ± 3 % f.s.	None	None
Continuity	None	None	\bigcirc (1.5 k to 15 k Ω) or less	\bigcirc 250 Ω or less
Diode check	\bigcirc at R \times 10 (3 V open terminal voltage)	\bigcirc at R \times 10 (3 V open terminal voltage)	\bigcirc (1.5 V open terminal voltage)	\bigcirc (1.7 V open terminal voltage)
Other functions	None	Battery check: 0.9 to 1.8 V, load resistance 10 Ω Temperature: -20 to 150 $^{\circ}$ C (9021-01 Thermister Temperature Probe is necessary, sold separately)	None	50 Hz to 320 kHz, 3 ranges input level: 3 V to 50 Vrms Accuracy: ± 0.1 % rdg. ± 1 dgt.
Auto power save	None	None	None	\bigcirc (Cancel possible)
Range switching	Manual	Manual	Auto	Auto or Manual
Display	Indicator type	Indicator type	Digital/LCD, maximum 1999 dgt.	Digital/LCD, maximum 3249 dgt.
Sampling rate	None	None	2 times/sec	2.5 times /sec (all mode) 0.9 times /sec (3.2 kHz range) 4 times /sec (32 k, 320 kHz range)
Safety considerations	Protection: 1 A rated, guaranteed current 50,000 A High-power fuse and 10 Ω resistor for restricting short circuit current	Complies with EN61010-1:1992+A2:1995, EN61010-2-031:1994, Installation Category III (anticipated transient overvoltage 6000 V), Pollution Degree 2	None	Complies with IEC348; safety class II IEC1010-1 over voltage category III Fully tested for high-voltage insulation
Power supply	R6P(AA) \times 2 batteries	R6P(AA) \times 2 batteries	LR-44 \times 2 batteries (Continuous use 80 hours)	LR-44 \times 2 or SR-44 \times 2 batteries (Continuous use 70 hours)
Dimensions/mass	94W \times 134H \times 56D mm / 400 g	95W \times 141H \times 39D mm / 280 g	37W \times 161H \times 19D mm / 60 g	68W \times 120H \times 19D mm / 100 g
Included accessories	9060 TEST LEAD (1) fuse (1) Carrying case (1)	9207 TEST LEAD (1) fuse (1) 9390 CARRYING CASE (1)	Hard case	Soft case (1)

HIOKI

HIOKI E. E. CORPORATION

HEAD OFFICE :
81 Koizumi, Ueda, Nagano, 386-1192, Japan
TEL +81-268-28-0562 / FAX +81-268-28-0568
E-mail: os-com@hioki.co.jp

HIOKI USA CORPORATION :
6 Corporate Drive, Cranbury, NJ 08512 USA
TEL +1-609-409-9109 / FAX +1-609-409-9108
E-mail: hioki@hiokiusa.com

Europe Representative Office :
Meineckestrasse 48, 40474 Dusseldorf, Germany
TEL / FAX +49-221-4544153
E-mail: hioki-eu@doitsu.de

Shanghai Representative Office :
1108 Union Building, 100 Yan An Road (East),
Shanghai, 200002, P.R.China
TEL +86-21-6328-9947/4938
FAX +86-21-6328-2064
E-mail: hioki-sh@sh.cngb.com

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