

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 kΩ/V), Accuracy: ±2.5 % f.s.	0.3 V (16.7 kΩ/V), 3/12/30/120/300/600 V (20 kΩ/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 kΩ/V), Accuracy: ±2.5 % f.s. Average rectifier effective value	12 V ±4 % f.s. (9 kΩ/V) 30/120/300/600 V ±2.5 % f.s. (9 kΩ/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 kΩ (center scale 100 Ω) R×1, R×10, R×100, ±3 % of scale length	0 to 3 kΩ (center scale 30 Ω) R×1, R×10, R×100, R×1 k ±3 % of scale length	200 Ω to 20 MΩ, 6 ranges Best accuracy: ±2.0 % rdg. ±4 dgt.	320 Ω to 32 MΩ, 6 ranges Best accuracy: ±2.0 % rdg. ±6 dgt.
DC Current range	None	60 μA / 30 m / 300 mA (300 mV internal voltage drop) Accuracy: ±3 % f.s.	None	None
Continuity	None	None	○ (1.5 k to 15 kΩ) or less	○ 250 Ω or less
Diode check	○ at R×10 (3 V open terminal voltage)	○ at R×10 (3 V open terminal voltage)	○ (1.5 V open terminal voltage)	○ (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 °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	○ (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) × 2 batteries	R6P(AA) × 2 batteries	LR-44 × 2 batteries (Continuous use 80 hours)	LR-44 × 2 or SR-44 × 2 batteries (Continuous use 70 hours)
Dimensions/mass	94W × 134H × 56D mm / 400 g	95W × 141H × 39D mm / 280 g	37W × 161H × 19D mm / 60 g	68W × 120H × 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)

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