

Field Measuring Instruments

3257-51 DIGITAL HiTESTER (with holster)



3257-50 (with carrying case)



CAT III 1000 V



Compact digital multi meter supports distorted waveforms

- Shutter mechanism prevents incorrect test lead connection
- True RMS measurement
- Outstanding safety features, CE marking, 600 V Bussmann fuse, or foolproof shutter mechanism
- Enhanced functions, Duty factor measurement and Relative function

OPTION

*9014 HIGH-VOLTAGE PROBE

3853 CARRYING CASE (for -51 model only)

*Note: Non-CE mark product

3801/3801-01 DIGITAL HiTESTER



3852 (included with the 3801-01)



CAT II 1000 V
CAT III 600 V



High-precision, high-resolution, and multi-function handy type DMM

- Display two different parameters simultaneously
- Optional RS-232C package for transferring data captured by the 3801 to a PC (Package is included with Model 3801-01)
- Measures the AC components in DC voltage or DC current
- 1 ms peak hold mode makes it possible to capture the peak value of a waveform

OPTION *Note: Non-CE mark product

3852 RS-232C PACKAGE (included with 3801-01)

*9180 to *9183 TEMPERATURE PROBE

9617 CLIP ON BASE (for capacitance measure)

*9014 HIGH-VOLTAGE PROBE

9472 to 9476 TEMPERATURE PROBE

9618 CLIP TYPE LEAD (for capacitance measure)

3802 DIGITAL HiTESTER



CAT II 1000 V
CAT III 600 V



High-precision, high-resolution, and multi-function handy type DMM

- Display two different parameters simultaneously
- Optional RS-232C package for transferring data captured by the 3802 to a PC
- Frequency and Capacitance value measurement function (also with 3801)

OPTION *Note: Non-CE mark product

3852 RS-232C PACKAGE

9617 CLIP ON BASE (for capacitance measure)

*9014 HIGH-VOLTAGE PROBE

9618 CLIP TYPE LEAD (for capacitance measure)

3803 DIGITAL HiTESTER



CAT II 1000 V
CAT III 600 V



Compact and basic type DMM

- 4000 count display full scale
- Average rectified RMS indication type
- Optional RS-232C package for transferring data captured by the 3803 to a PC

OPTION *Note: Non-CE mark product

3853 CARRYING CASE

*9014 HIGH-VOLTAGE PROBE

3854 RS-232C PACKAGE



DIGITAL HiTESTERS

Table of functions

	3257-50 True RMS	3257-51 True RMS	3801 True RMS	3801-01 True RMS	3802 True RMS	3803
DC Voltage range	560.0 mV to 1000 V, 5 ranges Best accuracy: ±0.35 % rdg. ±2 dgt.	40 mV to 1000 V, 6 ranges Best accuracy: ±0.06 % rdg. ±3 dgt.	40 mV to 1000 V, 6 ranges Best accuracy: ±0.06 % rdg. ±3 dgt.	40 mV to 1000 V, 6 ranges Best accuracy: ±0.06 % rdg. ±3 dgt.	400.0 mV to 1000 V, 5 ranges Best accuracy: ±0.6 % rdg. ±2 dgt.	
AC Voltage range	560.0 mV to 750 V, 5 ranges Best accuracy: ±1.5 % rdg. ±4 dgt. Effective value rectifier	40 mV to 750 V, 6 ranges Best accuracy: ±0.7 % rdg. ±5 dgt. Effective value rectifier	40 mV to 750 V, 6 ranges Best accuracy: ±0.7 % rdg. ±5 dgt. Effective value rectifier	400.0 mV to 1000 V, 5 ranges Best accuracy: ±2.0 % rdg. ±2 dgt. Average rectifier effective value		
Frequency characteristics at AC Voltage	560.0 mV to 560.0 V: 50 to 2 kHz 750 V: 50 to 500 Hz	45 to 20 kHz	45 to 1 kHz	40 to 500 Hz		
Resistance range	560.0 Ω to 56.00 MΩ, 6 ranges Best accuracy: ±0.5 % rdg. ±4 dgt.	400 Ω to 40 MΩ, 40 nS, 7 ranges Best accuracy: ±0.2 % rdg. ±3 dgt.	400 Ω to 40 MΩ, 6 ranges Best accuracy: ±0.2 % rdg. ±3 dgt.	400.0 Ω to 40.00 MΩ, 6 ranges Best accuracy: ±0.6 % rdg. ±3 dgt.		
DC Current range	56.00 μA to 10.00 A, 6 ranges Accuracy: ±1.5 % rdg. ±4 dgt.	400 μA to 10 A, 6 ranges Best accuracy: ±0.2 % rdg. ±3 dgt.	400 μA to 10 A, 6 ranges Best accuracy: ±0.2 % rdg. ±3 dgt.	400.0 μA to 10.00 A, 5 ranges Best accuracy: ±1.5 % rdg. ±2 dgt.		
AC Current range	56.00 μA to 10.00 A, 6 ranges Best accuracy: ±2.5 % rdg. ±4 dgt. Effective value rectifier	400 μA to 10 A, 6 ranges Best accuracy: ±1.0 % rdg. ±5 dgt. Effective value rectifier	400 μA to 10 A, 6 ranges Best accuracy: ±1.0 % rdg. ±5 dgt. Effective value rectifier	400.0 μA to 10.00 A, 5 ranges Best accuracy: ±2.0 % rdg. ±2 dgt. Average rectifier effective value		
Frequency characteristics at AC Current	50 to 2 kHz	45 to 2 kHz	45 to 1 kHz	40 to 500 Hz		
Frequency range	4.00 Hz to 400.0 kHz, 5 ranges Input level: 400 mV to 750 V rms Accuracy: ±0.02 % rdg. ±1 dgt.	10 Hz to 200 kHz /10 mV to 1000 V rms 1 Hz to 10 MHz /100 mV to 500 mV rms Best accuracy: ±0.002 % rdg. ±1 dgt.	10 Hz to 200 kHz /10 mV to 1000 V rms Best accuracy: ±0.02 % rdg. ±1 dgt.	None		
Continuity	○ (100 Ω ±80 Ω) or less	○ 10 Ω or less (at 400 Ω range)	○ 10 Ω or less (at 400 Ω range)	○ 34.5 Ω or less (at 400 Ω range)		
Diode check	○ (1.7 V open terminal voltage)	○ (3.3 V open terminal voltage)	○ (3.3 V open terminal voltage)	○ (3.3 V open terminal voltage)		
Other functions	Hold-auto function, Duty factor measurement, Relative function, 10 A/600 V Bussmann fuse	AC+DC measurement, dBm measurement, Capacitance, Duty ratio/pulse width, Temperature, Data hold, Refresh hold, 1 ms peak hold, Relative, Max/Min/Ave, 4000/40000 display, RS-232C, Dual display, Pulse/timer output	Capacitance, Data hold, Refresh hold, Relative, Max/Min/Ave, 4000/40000 display, RS-232C, Dual display	RS-232C, Data hold		
Auto power save	○ (Cancel possible)	○ (Cancel possible)	○ (Cancel possible)	○ (Cancel possible)		
Range switching	Auto or Manual	Auto or Manual	Auto or Manual	Auto or Manual		
Display	LCD, maximum 5610 dgt. (all mode) maximum 14999 dgt. (Frequency)	LCD, max. 40000 dgt. with Back light	LCD, max. 40000 dgt.	LCD, max. 4000 dgt.		
Bar graph display	○ (Maximum 56 segments)	○ (Maximum 21 dots)	○ (Maximum 21 dots)	○ (Maximum 41 dots)		
Sampling rate	2.5 times/sec (all mode) 2 times/sec (Frequency) 20 times/sec (Bar graph)	3 times/sec (at 4000 count, exclusive Hz range) 1 time/sec (at 40000 count, Hz) 20 times/sec (Bar graph)	3 times/sec (at 4000 count, exclusive Hz range) 1 time/sec (at 40000 count, Hz) 20 times/sec (Bar graph)	2.5 times/sec 13 times/sec (Bar graph)		
Power supply	R03(AAA) × 2 dry batteries (Continuous use 500 hours)	6F22(006P) × 1 dry battery (Continuous use 50 hours)	6F22(006P) × 1 dry battery (Continuous use 50 hours)	6F22(006P) × 1 dry battery (Continuous use 200 hours)		
Dimensions/mass	76W × 167H × 33D mm / 300 g	90W × 192H × 37D mm / 640 g	90W × 192H × 37D mm / 640 g	76W × 167H × 33D mm / 600 g		
Included accessories	9170 TEST LEAD (1) -50: 9378 CARRYING CASE (1) -51: Holster (1)	3801: 3851 TEST LEAD(1), Holster (1) 3801-01: 3851 TEST LEAD (1) Holster (1), 3852 RS-232C PACKAGE (1)	3851 TEST LEAD (1) Holster (1)	3851 TEST LEAD (1) Holster (1)		

HIKI

HIKI 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

HIKI 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 :
Meinekestrasse 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

DISTRIBUTED BY