

Field Measuring Instruments

3804 DIGITAL HiTESTER



CE Multi-function handy type DMM

CAT II 1000 V
CAT III 600 V

- 9999 count display full scale for voltage range
- Optional RS-232C package for transferring data to a PC
- Average rectified RMS indication
- Maximum, minimum, average value display
- 4-20 mA measurement value convert to 0-100 % display, for maintaining and servicing industrial meter

RS-232C
OPTION

OPTION *Note: Non-CE mark product

3853 CARRYING CASE
3854 RS-232C PACKAGE

*9014 HIGH-VOLTAGE PROBE

9617 CLIP ON BASE (for capacitance measure)

9618 CLIP TYPE LEAD (for capacitance measure)

3805 DIGITAL HiTESTER



CE Multi-function handy type DMM

CAT II 1000 V
CAT III 600 V

RMS

- 9999 count display full scale for voltage range
- Optional RS-232C package for transferring data to a PC
- True RMS rectified
- Easy harmonic distortion check function
- Simultaneous 2-point temperature measurement
- Maximum, minimum, average value display
- 4-20 mA measurement value convert to 0-100 % display, for maintaining and servicing industrial meter

RS-232C
OPTION

OPTION *Note: Non-CE mark product

3853 CARRYING CASE
3854 RS-232C PACKAGE

*9014 HIGH-VOLTAGE PROBE

*9180 to *9183 TEMPERATURE PROBE

9472 to 9476 TEMPERATURE PROBE

9617 CLIP ON BASE (for capacitance measure)

9618 CLIP TYPE LEAD (for capacitance measure)

3237/3237-01 DIGITAL HiTESTER



CE High-speed DMM (3.3 ms/sample)

Minimizing tact time with sequence control at a truly affordable price

CAT I 1000 V
CAT II 600 V
(Hi terminal)



RMS

GP-IB
3237-01

RS-232C
3237/3237-01

- Samples at rates of up to 300 samples/sec. (3.3 ms/sample)
- Comparator function provides high-speed pass/fail evaluation
- Equipped with external input and output for sequence control
- Useful Save/Load function helps work go faster
- Interface supports full remote operation

OPTION *Note: Non-CE mark product

9010/9018 CLAMP ON PROBE (10 A to 500 A AC)

*9132 CLAMP ON PROBE (20 A to 1000 A AC)

9151-02 GP-IB CONNECTION CABLE (2m)

9151-04 GP-IB CONNECTION CABLE (4m)

9442 PRINTER (1196 RECORDING PAPER 25 m, 10 rolls /1 set)

9443-02 AC ADAPTER (for the 9442, EU), 9443-03 (USA)

9444 CONNECTOR CABLE (for the 9442)

9637 RS-232C CABLE (9 pin-9 pin, reverse /1.8 m)

9638 RS-232C CABLE (9 pin-25 pin, reverse /1.8 m)

3238/3238-01 DIGITAL HiTESTER



CE High-speed DMM (3.3 ms/sample)

High-accuracy, multi-functional model

CAT I 1000 V
CAT II 600 V
(Hi terminal)



RMS

GP-IB
3238-01

RS-232C
3238/3238-01

- Samples at rates of up to 300 samples/sec. (3.3 ms/sample)
- Comparator function provides high-speed pass/fail evaluation
- Equipped with external input and output for sequence control
- Useful Save/Load function helps work go faster
- Interface supports full remote operation
- AC/DC current and frequency functions

OPTION *Note: Non-CE mark product

9010/9018 CLAMP ON PROBE (10 A to 500 A AC)

*9132 CLAMP ON PROBE (20 A to 1000 A AC)

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9638 RS-232C CABLE (9 pin-25 pin, reverse /1.8 m)



DIGITAL HiTESTERS

Table of functions

	3804	3805 True RMS	3237 True RMS 3237-01 True RMS GP-IB	3238 True RMS 3238-01 True RMS GP-IB
DC Voltage range	999.9 mV to 999.9 V, 4 ranges Best accuracy: ±0.3 % rdg. ±2 dgt.	999.9 mV to 999.9 V, 4 ranges Best accuracy: ±0.1 % rdg. ±2 dgt.	200 mV to 1000 V, 5 ranges Best accuracy: ±0.025 % rdg. ±2 dgt.	200 mV to 1000 V, 5 ranges Best accuracy: ±0.010 % rdg. ±2 dgt.
AC Voltage range	999.9 mV to 999.9 V, 4 ranges Best accuracy: ±1.2 % rdg. ±5 dgt. Average rectifier effective value	999.9 mV to 999.9 V, 4 ranges Best accuracy: ±1.1 % rdg. ±5 dgt. Effective value rectifier	2000 mV to 700 V, 4 ranges Best accuracy: ±0.2 % rdg. ±100 dgt. Effective value rectifier	2000 mV to 700 V, 4 ranges Best accuracy: ±0.1 % rdg. ±100 dgt. Effective value rectifier
Frequency characteristics at AC Voltage	40 to 500 Hz	40 to 2 kHz	10 to 300 kHz	10 to 300 kHz
Resistance range	400.0 Ω to 40.00 MΩ, 6 ranges Best accuracy: ±0.6 % rdg. ±3 dgt.	400.0 Ω to 40.00 MΩ, 6 ranges Best accuracy: ±0.5 % rdg. ±3 dgt.	200 Ω to 100 MΩ, 7 ranges Best accuracy: ±0.05 % rdg. ±2 dgt.	200 Ω to 100 MΩ, 7 ranges Best accuracy: ±0.02 % rdg. ±2 dgt.
DC Current range	400.0 μA to 10.00 A, 6 ranges Best accuracy: ±0.2 % rdg. ±3 dgt.	400.0 μA to 10.00 A, 6 ranges Best accuracy: ±0.1 % rdg. ±3 dgt.	None	200 mA or 2000 mA, 2 ranges Best accuracy: ±0.1 % rdg. ±6 dgt.
AC Current range	400.0 μA to 10.00 A, 6 ranges Best accuracy: ±1.2 % rdg. ±5 dgt. Average rectifier effective value	400.0 μA to 10.00 A, 6 ranges Best accuracy: ±1.0 % rdg. ±5 dgt. Effective value rectifier	(Used with clamp-on sensor range)	200 mA or 2000 mA, 2 ranges Best accuracy: ±0.3 % rdg. ±100 dgt. (or used with clamp-on sensor range)
Frequency characteristics at AC Current	50 to 2 kHz	50 to 2 kHz	(clamp-on sensor specification)	10 to 30 kHz (or clamp spec.)
Frequency range	None	1 Hz to 50 kHz / 0.7 V to 300 V rms Best accuracy: ±0.05 % rdg. ±4 dgt.	None	100 Hz to 300 kHz, 5 ranges Accuracy: ±0.015 % rdg. ±2 dgt.
Continuity	○ 10 Ω or less (at 400 Ω range)	○ 10 Ω or less (at 400 Ω range)	○ 50 Ω or less (at 2000 Ω range)	○ 50 Ω or less (at 2000 Ω range)
Diode check	○ (3.3 V open terminal voltage)	○ (3.3 V open terminal voltage)	○ (6 V open terminal voltage)	○ (6 V open terminal voltage)
Other functions	Capacitance, Data hold, Refresh hold, Max/Min/Ave/Relative/ 4-20 mA% display, RS-232C	Capacitance, Data hold, Refresh hold, Max/Min/Ave/Relative/ 4-20 mA% display, RS-232C, Temperature	Current measurement (with clamp), Comparator, external input and output, Save/Load function, AVE, trigger, RS-232C, GP-IB (-01 model)	Current measurement (with clamp), Comparator, external input and output, Save/Load function, AVE, trigger, RS-232C, GP-IB (-01 model)
Auto power save	○ (Cancel possible)	○ (Cancel possible)	None	None
Range switching	Auto or Manual	Auto or Manual	Auto or Manual	Auto or Manual
Display	LCD, max. 4000 dgt. max. 9999 dgt. (at V range)	LCD, max. 4000 dgt. max. 9999 dgt. (at V range)	LED, max. 199999 dgt. max. 999999 dgt. (at Frequency)	LED, max. 199999 dgt. max. 999999 dgt. (at Frequency)
Bar graph display	○ (Maximum 41 dots)	○ (Maximum 41 dots)	None	None
Sampling rate	3 times/sec 13 times/sec (Bar graph)	3 times/sec (exclusive Hz range) 1 time/sec (Hz range) 13 times/sec (Bar graph)	300 times/sec (Fast) 8 to 9 times/sec (Medium) 1 time/sec (Slow)	300 times/sec (Fast) 8 to 9 times/sec (Medium) 1 time/sec (Slow)
Power supply	6F22(006P) × 1 dry batteries (Continuous use 100 hours)	6F22(006P) × 1 dry batteries (Continuous use 100 hours)	100 to 240 V AC, 50/60 Hz (specify when ordering)	100 to 240 V AC, 50/60 Hz (specify when ordering)
Dimensions/mass	76W × 167H × 33D mm / 600 g	76W × 167H × 33D mm / 600 g	215W × 80H × 265D mm / 2.6 kg	215W × 80H × 265D mm / 2.6 kg
Included accessories	3851 TEST LEAD (1) Holster (1)	3851 TEST LEAD (1) Holster (1)	9170 TEST LEAD (1) Power cord (1)	9170 TEST LEAD (1) Power cord (1)

HIKI

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