

M3500A Specifications

DC Characteristics

Function	Range	Reso- lution	Input Resistance	1 year accuracy ± (% of reading + (23°C±5°C))
DCV (DC Voltage)	100,000mV	0.1V	>10GΩ	0.0050+0.0035
	10,000mV	10.1V	>10GΩ	0.0040+0.0007
	100,000V	10.1V	>10GΩ	0.0035+0.0005
DCV (DC Voltage)	100,000V	100.1V	10MΩ	0.0045+0.0006
	1000,000V	1mV	10MΩ	0.0045+0.0010

Frequency and Period

Function	Range	Frequency (Hz)	1 year accuracy ± (% of reading + (23°C±5°C))
Frequency & Period	100mV to 750V	3-5	0.10
		5-10	0.05
		10-40	0.03
		40-300K	0.01

AC Characteristics

Function	Range	Reso- lution	Frequency (Hz)	1 year accuracy ± (% of reading + (23°C±5°C))
ACV	100,0000 mV	0.1µV	3-5	1.00+0.04
			5-10	0.35+0.04
			10-20K	0.06+0.04
			20K-50K	0.12+0.05
			50K-100K	0.60+0.08
(AC True RMS Voltage)	1,000000V to 750,000V	1.0µV to 1mV	100K-300K	4.00+0.50
			3-5	1.00+0.03
			5-10	0.35+0.03
			10-20K	0.06+0.03
			20K-50K	0.12+0.05
ACI	1,000000A to 750,000V	1µA to 1mV	50K-100K	0.60+0.08
			100K-300K	4.00+0.50
			3-5	1.00+0.04
			5-10	0.30+0.04
			10-5K	0.10+0.04
(AC True RMS Current)	3,000000A to 10µA	10µA to 10.5K	3-5	1.10+0.06
			5-10	0.35+0.06
			10-5K	0.15+0.06

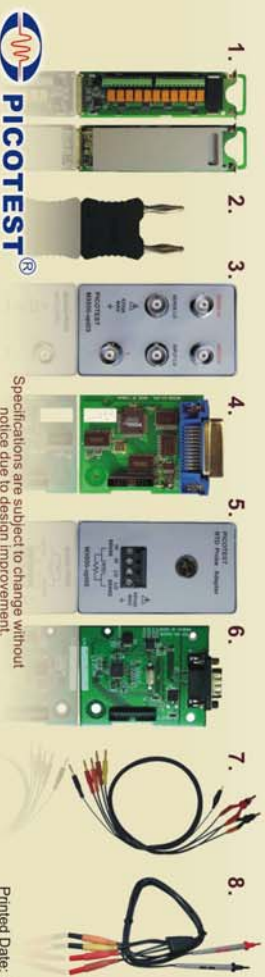
(**Note 1: Specifications are for 2-hours warm-up at 6.5 digit - slow AC filter with Bandwidth 3Hz - sine wave input.)
 (**Note 2: 750 ACV Range is limited to 100KHz)

Area Agency

Dimension & Weight	85(H)x210(W)x350(D)mm, Approx. 4.36kg
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Accessories Included:

- Standard: CD (user manual and software application), power cord, test leads, and USB cable.
- Options:
 - M3500-opt01: Multi-Point Scanner Card
 - M3500-opt02: Thermocouple Adapter
 - M3500-opt03: BNC to Banana Adapter
 - M3500-opt04: GPIB Card
 - M3500-opt05: RTD Probe Adapter
 - M3500-opt06: RS-232 Card
 - M3500-opt07: Kelvin Probe
 - M3500-opt08: 4-Wire Test Leads



Specifications are subject to change without notice due to design improvement.

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M3500A

6.5 Digital Multimeter

Speed
Stability
Accuracy
Noise Immunity



<http://www.picotest.com.tw>

