

## 6 ½ DMM Comparison

Model	M3500A (PICOTEST)	Agilent-34401A (Agilent)	K-2000 (Keithley)	8845A (Fluke)
<b>List Price</b>	USD 770	USD 1100	USD 1150	USD 995
<b>Display</b>	VFD Dot Matrix, Dual Displays with 3 colors	Character based VFD	LCD	VFD Dot Matrix
<b>System speed @60Hz</b>	6 1/2 : 59 reading/sec 1PLC 5 1/2 : 545 reading/sec 0.1PLC 4 1/2 : 2000 reading/sec 0.02PLC	6 1/2 : 6 reading/sec 10PLC 5 1/2 : 300 reading/sec 0.2PLC 4 1/2 : 1000reading/sec 0.02PLC	6 1/2 : 60 reading/sec 1PLC 5 1/2 : 500 reading/sec 0.1PLC 4 1/2 : 2000 reading/sec 0.01PLC	6 1/2 : 6 reading/sec 10PLC 5 1/2 : 300 reading/sec 0.2PLC 4 1/2 : >1000reading/sec 0.02PLC
<b>PLC at fast 6 1/2</b>	1PLC	10PLC	1PLC	10PLC
<b>DCV Ranges</b>	100mV~1000V	100mV~1000V	100mV~1000V	100mV~1000V
Accuracy (1 year)	0.0035%+0.0005%	0.0035%+0.0005%	0.0030%+0.0005%	0.0035%+0.0005%
<b>ACV Ranges</b>	100mV~750V	100mV~750V	100mV~750V	100mV~750V
Accuracy (1 year)	0.06%+0.03%	0.06%+0.03%	0.06%+0.03%	0.06%+0.03%
Frequency	3Hz~300KHz	3Hz~300KHz	3Hz~300KHz	3Hz~300KHz
Resistance	1MΩ	1MΩ	1MΩ	1MΩ
<b>A DC Ranges</b>	10mA/100mA/1A/3A	10mA/100mA/1A/3A	10mA/100mA/1A/3A	100μA/1mA/10mA/100mA/1A/3A/10A
Accuracy (1 year)	0.05%+0.005%	0.05%+0.005%	0.05%+0.008%	0.05%+0.005%
<b>A AC Ranges</b>	1A/3A	1A/3A	1A/3A	10mA/100mA/1A/3A/10A
Accuracy (1 year)	0.1%+0.04%	0.1%+0.04%	0.15%+0.06%	0.1%+0.04%
Frequency	3Hz~5KHz	3Hz~5KHz	3Hz~5KHz	3Hz~5KHz
<b>Resistance Ranges</b>	100Ω~100MΩ	100Ω~100MΩ	100Ω~100MΩ	100Ω~100MΩ
Accuracy (1 year)	0.01%+0.001%	0.01%+0.001%	0.01%+0.001%	0.01%+0.001%
2W/4W	YES	YES	YES	YES
<b>Frequency</b>	3Hz~300KHz	3Hz~300KHz	3Hz~500KHz	3Hz~300KHz
Accuracy (1 year)	0.01%	0.01%	0.01%	0.01%
<b>Temperature</b>	RTD/TC	N/A	TC	N/A
<b>Scanner Card</b>	10 channels	N/A	10 channels	N/A
<b>Continuity/Diode Test</b>	YES	YES	YES	YES
<b>Ratio Function</b> (dcv : dcv)	YES	YES	N/A	N/A
<b>% Math Function</b>	YES	N/A	YES	N/A
<b>MX+B Math Function</b>	YES	N/A	YES	YES
<b>Digital Filter</b>	YES	N/A	YES	YES
<b>Trigger delay</b>	0~3600s	0~3600s	0~99 hrs	0~3600s
<b>Internal Memory</b>	2000 readings	512 readings	2000 readings	10000 readings
<b>Interface</b>	USB/GPIB(opt)/RS-232C(opt)	RS-232C/GPIB	RS-232C/GPIB	RS-232C/IEEE 488.2/LAN