

6 ½ DMM Comparison

Model	M3500A (PICOTEST)	Agilent-34401A (Agilent)	K-2000 (Keithley)	8845A (Fluke)
List Price	USD 770	USD 1100	USD 1150	USD 995
Display	VFD Dot Matrix, Dual Displays with 3 colors	Character based VFD	LCD	VFD Dot Matrix
System speed @60Hz	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
PLC at fast 6 1/2	1PLC	10PLC	1PLC	10PLC
DCV Ranges	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%
ACV Ranges	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
A DC Ranges	10mA/100mA/1A/3A	10mA/100mA/1A/3A	10mA/100mA/1A/3A	100 μ A/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%
A AC Ranges	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
Resistance Ranges	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
Frequency	3Hz~300KHz	3Hz~300KHz	3Hz~500KHz	3Hz~300KHz
Accuracy (1 year)	0.01%	0.01%	0.01%	0.01%
Temperature	RTD/TC	N/A	TC	N/A
Scanner Card	10 channels	N/A	10 channels	N/A
Continuity/Diode Test	YES	YES	YES	YES
Ratio Function(dcv : dcv)	YES	YES	N/A	N/A
% Math Function	YES	N/A	YES	N/A
MX+B Math Function	YES	N/A	YES	YES
Digital Filter	YES	N/A	YES	YES
Trigger delay	0~3600s	0~3600s	0~99 hrs	0~3600s
Internal Memory	2000 readings	512 readings	2000 readings	10000 readings
Interface	USB/GPIB(opt)/RS-232C(opt)	RS-232C/GPIB	RS-232C/GPIB	RS-232C/IEEE 488.2/LAN