

MDM-8265/8255



- 30 kS/s high-speed acquisition, conducive to capture transient signals
- Standard bar charts, histograms, trend charts, and statistics
- Dual display measurement function to display both voltage and frequency
- True RMS of AC voltage and true RMS of AC current are measured
- Various measuring functions: DC voltage, AC voltage, DC current, AC current, 2-wire resistance, 4-wire resistance, capacitor, diode, connectivity, frequency, period, temperature, current range up to 10A
- 4.3 "64K color TFT LCD screen
- The safety standard is CAT II 300 V

DC voltage				MDM-8265		MDM-8255		
Range	Inputimpedance	resolution	Accuracy(one year)	resolution	Accuracy(oneyear)			
100 mV	10 MΩor>10 GΩ	0.1uV	0.0050+0.0035	1uV	0.018+0.008			
1V	10 MΩor>10 GΩ	1uV	0.0040+0.0007	10uV	0.015+0.005			
10V	10MΩ	10uV	0.0035+0.0005	100uV	0.015+0.005			
100V	10 MΩ	100uV	0.0045+0.0006	1mV	0.015+0.005			
1000V	10 MΩ	1mV	0.0045+0.0010	10mV	0.015+0.005			
Resistance				MDM-8265		MDM-8255		
Range	Test current	resolution	Accuracy(oneyear)(TCAL±5℃)	resolution	Accuracy(oneyear)(TCAL±5℃)			
100Ω	1 mA	100μΩ	0.010+0.004	1mΩ	0.050+0.008			
1 KΩ	1 mA	1mΩ	0.010+0.001	10mΩ	0.050+0.008			
10 KΩ	100 μA	10mΩ		100mΩ	0.050+0.005			
100 KΩ	10μA	100mΩ		10	0.050+0.005			
1 MΩ	5μA	1Ω		10Ω	0.060+0.005			
10 MΩ	500 nA	10Ω	0.040+0.001	100	0.250+0.005			
100 MΩ	500 nA 10 MΩ	100Ω	0.800+0.010	1kΩ	2.000+0.005			
DC current				MDM-8265		MDM-8255		
Range	Burden voltage	resolution	Accuracy(oneyear)(TCAL±5℃)	resolution	Accuracy(oneyear)(TCAL±5℃)			
100μA	<0.02V	1nA	0.050+0.025	10nA	0.050+0.015			
1 mA	<0.2V	1nA	0.050+0.006	10nA	0.050+0.007			
10 mA	<0.02V	10nA	0.050+0.020	0.1uA	0.050+0.015			
100 mA	<0.2V	01uA	0.050+0.005	1uA	0.050+0.007			
1A	<0.1V	1uA	0.100+0.010	10uA	0.100+0.015			
3A	<03V	1uA	0.200+0.020	10uA	0.250+0.007			
10A	<0.02V	10uA	0.120+0.010	0.1mA	0.250+0.007			
Conduction test				MDM-8265		MDM-8255		
			Accuracy(oneyear)(TCAL±5℃)	Accuracy(oneyear)(TCAL±5℃)				
1KΩ	1 mA	—	0.010+0.030	0.100+0.100				
Diode				MDM-8265		MDM-8255		
5V	1 mA	—	0.010+0.030	0.05+0.03				
Ac voltage				MDM-8265		MDM-8255		
Frequency	Gearposition	Accuracy(oneyear)(TCAL±5℃)		Frequency	Gearposition	Accuracy(oneyear)(TCAL±5℃)		
5 Hz-10Hz	100mV,1V,10V,100V,750V	0.35+0.03		20 Hz-45 Hz	100mV,1V,10V,100V,750V	1.00+0.10		
10 Hz-20 KHz		0.06+0.03		45 Hz-10 KHz		0.20+0.10		
20 KHz-50 KHz		0.12+0.05		10 KHz-30 KHz		1.50+0.30		
50 KHz-100 KHz		0.60+008		30 KHz-100 KHz		3.00+0.30		
100 KHz-300 KHz		4.00+0.50						
Ac current				MDM-8265		MDM-8255		
Frequency	Gear position	Accuracy		Frequency	Gear position	Accuracy		
3 Hz-5 KHz	100uA-10A	0.10+0.04		20 Hz45Hz	100uA-10A	1.50+0.10		
5 KHz-10 KHz		0.10+0.04		45 Hz-1 KHz		0.50+0.10		
				1 KHz-10 KHz		2.00+0.20		
Frequency				MDM-8265		MDM-8255		
Gearposition	resolution	Accuracy		Gear position	resolution	Accuracy		
3Hz-10Hz	0.001 Hz,	0.1		20 Hz-300 KHz	0.001 Hz,0.00001 KHz,0.001 KHz,0.001 KHz,0.00001 MHz	0.02+3		
10 Hz-100 Hz	0.00001 KHz,	0.03						
100 Hz-1 KHz	0.0001 KHz,	0.01						
1 KHz-300 KHz	0.001 KHz,	0.01						
Square wave		0.01						
Capacitance				MDM-8265		MDM-8255		
	Accuracy				Accuracy			
1.0000 nF	0.50+0.50			1.0000 nF	1+0.5			
10.000 nF	0.40+0.10				10.000 nF	1+0.5		
100.00 nF					100.00 nF	1+0.5		
1.0000μF								
10.000μF								
100.00μF								
Temperature				MDM-8265		MDM-8255		
PT100	Probe accuracy+0.05℃			PT100(DIN/IE	Probe accuracy+0.05℃			
5 KΩthermistor	Probe accuracy+0.1℃			5 KΩthermistor	Probe accuracy+0.1℃			