

Specifications of MS8221		
DC Voltage		
Range	Resolution	Accuracy
200mV	0.1mV	±0.70% of rdg ± 3 digits
2V	1mV	
20V	0.01V	
200V	0.1V	
600V	1V	±0.8% of rdg ±3 digits
Input Impedance :10MΩ		
AC Voltage		
Range	Resolution	Accuracy
200mV	0.1mV	±0.80% of rdg ±5 digits
2V	1mV	
20V	0.01V	
200V	0.1V	
6000V	1V	±1.00% of rdg ±3 digits
Input Impedance:10MΩ, Frequency Range:40 to 4000Hz, Calibrated in rms of sine wave		
Resistance		
200Ω	0.1Ω	±1.0% of rdg ±3 digits
2KΩ	1Ω	
20KΩ	10Ω	
200KΩ	0.1KΩ	
2MΩ	1KΩ	
20MΩ	10KΩ	±1.00% of rdg ±5 digits
Maxium open Circuit Voltage:3.0V, Overload Protection:250V dc rms ,ac for all range		
DC Current		
Range	Resolution	Accuracy
200uA	0.1 uA	±1.20% of rdg ±3 digits
2000uA	1uA	
20mA	0.01mA	±1.2% of rdg ±8 digits
200mA	0.1mA	
2.00A	0.001A	±2.00% of rdg ±8 digits
10.00A	0.01A	
Over load Protection: F 15A/250 fused for 10A		
AC Current		
Range	Resolution	Accuracy
200uAmA	0.1 uA	±1.50% of rdg ±5 digits
2,000uA	1uA	
20.00mA	0.01mA	
200mA	0.1mA	
2.00A	0.001A	

10.00A	0.01A	±3.00% of rdg ±8 digits	
Over load Protection: F 15A/250 fused for 10A,Frquency Range 40 to 400Hz			
<b>Battery</b>			
Range/ Load current	Resolution	Function	
1.5V/50mA	0.01V	Show the approx, voltage of battery	
3.0V/30mA	0.01V		
9.0V/12mA	0.01V		
<b>Audible Continuity</b>			
Buzzer	Built in buzzer will sound if resistance is lower than 30 Ω		
Diode	Resolution: 1mV	Test Current:25uA	Open Circuit Voltage:3.0V
Transistor	hFE: 1 to 1000	Base Current: 10uA	Vce: 3.0 V