

## Technical Specification



Show



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### DC Voltage

Range	Resolution	Accuracy*	Input Impedance	Overload Protection
200mV	0.1mV	0.5% + 1	10MΩ	1000V DC or 750V AC
2V	1mV	0.5% + 1	10MΩ	
20V	10mV	0.5% + 1	10MΩ	
200V	0.1V	0.5% + 1	10MΩ	
1000V	1V	0.8% + 2	10MΩ	

### AC Voltage

Range	Resolution	Accuracy*	Input Impedance	Overload Protection
2V	1mV	0.8% + 3	10MΩ	1000V DC or 750V AC
20V	10mV	0.8% + 3	10MΩ	
200V	0.1V	0.8% + 3	10MΩ	
700V	1V	1.2% + 3	10MΩ	

### DC Current

Range	Resolution	Accuracy*	Burden Voltage	Overload Protection
2mA	1μA	0.8% + 1	110mV/mA	200mA/250V fuse. 20A range not fused 30 seconds max.
20mA	10μA	0.8% + 1	15mV/mA	
200mA	0.1mA	1.5% + 1	5.0mV/mA	
20A	10mA	2.0% + 5	0.03V/A	

### AC Current

Range	Resolution	Accuracy*	Burden Voltage	Overload Protection
20mA	10μA	1.0% + 3	15mV/mA	200mA/250V fuse 20A range not fused 30 seconds max.
200mA	0.1mA	1.8% + 3	0.5mV/mA	
20A	10mA	3.0% + 7	0.03V/A	

### Resistance

Range	Resolution	Accuracy*	Open Voltage	Overload Protection
200Ω	0.1Ω	0.8% + 3	0.7V	250V DC or AC rms
2kΩ	1Ω	0.8% + 1	0.7V	
20kΩ	10Ω	0.8% + 1	0.7V	
200kΩ	100Ω	0.8% + 1	0.7V	
2MΩ	1kΩ	0.8% + 1	0.7V	
20MΩ	10kΩ	1.0% + 2	0.7V	
200MΩ	100kΩ	5.0% + 10	0.7V	

### Capacitance

Range	Resolution	Accuracy*	Test Signal	Overload Protection
2nF	1pF	4.0% + 3	40mV, 400Hz	Protection diodes
20nF	10pF	4.0% + 3	40mV, 400Hz	
200nF	0.1nF	4.0% + 3	40mV, 400Hz	
2μF	1nF	4.0% + 3	40mV, 400Hz	

20μF	10nF	4.0% + 3	40mV, 400Hz	
<b>Frequency</b>				
Range	Resolution	Accuracy*	Sensitivity	Overload Protection
20kHz	10Hz	1.5% + 5	200mV - 10V rms	250V DC or AC rms
Temperature				
Range	Resolution	Accuracy*		
°C	1°C	-20°C to 0°C: 5.0% + 4 0°C to 400°C: 1.0% + 3 400°C to 1000°C: 2.0%		
<b>Diode</b>				
Range	Resolution	Test Current	Open Voltage	Overload Protection
Diode	1mV	Approx.1mA	Approx.2.6V	250V DC or AC rms
<b>Transistor</b>				
Range	Test Current	Test Voltage	Test Range	
NPN or PNP	I <sub>b</sub> = 10μA	V <sub>CE</sub> = 3.2V	0-1000h <sub>FE</sub>	
<b>Continuity</b>				
Range				
Continuity	Buzzer will operate on resistances below approx.50Ω			
* Accuracy is % ± number of digits				