

**ELECTRICAL SPECIFICATIONS**

	MODEL 701	MODEL 703
<b>AC CURRENT*</b>		
Range	1 to 700 A	1 to 700 Arms
Resolution	0.1 A and 1 A	0.1 A and 1 A
Basic Accuracy	2% of reading $\pm 0.5$ A	2% of reading $\pm 0.5$ A
Input Impedance	1 M $\Omega$	1 M $\Omega$
<b>AC VOLTS*</b>		
Range	1 to 600 V	1 to 600 Vrms
Resolution	0.1 V and 1 V	0.1 V and 1 V
Basic Accuracy	1% of reading	1% of reading
Input Impedance	1 M $\Omega$	1 M $\Omega$
<b>FREQUENCY</b>		
Range	---	0 to 4 kHz
Basic Accuracy	---	0.1%
Hz pick-up	---	from A or V
<b>DC VOLTS</b>		
Range	1 to 600 V	1 to 600 V
Resolution	0.1 V and 1 V	0.1 V and 1 V
Basic Accuracy	0.5% of reading	0.5% of reading
Input Impedance	1 M $\Omega$	1 M $\Omega$
<b>OHMS</b>		
Range	0 to 4 k $\Omega$	0 to 4 k $\Omega$
Resolution	0.1 $\Omega$ and 1 $\Omega$	0.1 $\Omega$ and 1 $\Omega$
Basic Accuracy	1%	1%
<b>CONTINUITY</b>		
Range	0 to 40 $\Omega$	0 to 40 $\Omega$
Beeper	below 40 $\Omega$	below 40 $\Omega$
<b>DIODE TEST</b>		
Range	0 to 4 V	0 to 4 V
Resolution	0.1 V	0.1 V
Open Voltage	4.4 V	4.4 V
<b>ADDITIONAL FUNCTIONS</b>	Max Display Hold	Max Display hold
<b>MAX. WORKING VOLTAGE</b>	600 V	600 V

\* A residual value of 7 counts may be displayed in the AC range.

**GENERAL SPECIFICATIONS****Ranging:**

Model 701: 6-position switch; autoranging  
Model 703: 7-position switch; autoranging

**Jaw Size:**

Accommodates two 500 MCM or one 750 MCM

**Power:**

9 V alkaline battery;  
automatic low battery indicator

**Battery Life:**

Model 701: 180 hr typical  
Model 703: 100 hr typical

**Buzzer:**

Continuous beep for continuity sound  
test below 40 $\Omega$   
Frequency: 2.5 kHz

**Dimensions:**

10 x 3.8 x 1.7" (252 x 97 x 44 mm)

**Weight:**

17 oz (500 g)

**Operating Temperature:**

32° to 122°F  
(0° to 50°C), 0 to 90% RH (@31°C)

**SAFETY SPECIFICATIONS****Protection Level:**

Double insulation IEC 1010-1, 600 V  
category III, Pollution degree 2

**Working Voltage:**

600 Vrms

**Dielectric Test:**

6 kV between terminals and case

**Overload Protection:**

Voltage: 1000 Vrms  
Current: 700 Arms (@ 500 Hz @ 50°C)  
Ohms: 600 Vrms  
Continuity/Diode: 600 Vrms  
Frequency: 1000 Vrms

[Reference conditions: 18° to 28°C, 45 to 75% RH,  
battery 9 V  $\pm 0.1$  V, conductor centered in jaw, no  
DC magnetic field, 45 to 65 Hz.]