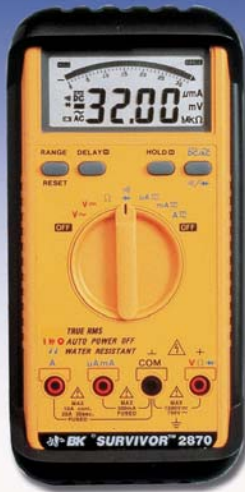
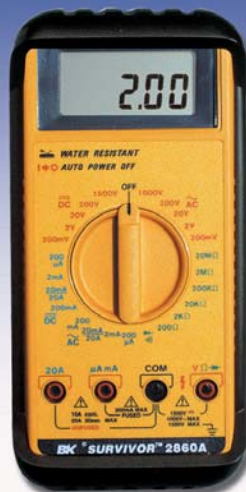


# Survivor<sup>®</sup> Multimeters



2870



2860A



## The "Survivor" name says it all!

- Heavy Duty 1500VDC rating
- Ruggedized construction
- Includes rubber boot
- Withstands 5-foot drop
- Extra large, high contrast LCD display
- Gasket sealed against dirt and contaminants
- Water resistant
- High energy fused on all current ranges
- Auto power off saves batteries
- Built in probe holders
- Non-slip grip
- Extensive overload protection

### Model 2870

- 0.25% DCV accuracy
- True RMS
- Autoranging
- Analog bargraph
- 3 3/4 digit, 3200 count
- Data hold, delay hold

### Model 2860A

- 0.5% DCV accuracy
- Manual ranging
- 3 1/2 digit, 2000 count
- Large 0.8" LCD display

## Specifications

	2870	models 2860A
DC Volts	Auto/Manual ranging	Manual ranging
Ranges	320mV, 3.2V, 32V, 320V, 1500V	200mV, 2V, 20V, 200V, 1500V
Resolution	100µV, 1mV, 10mV, 100mV, 1V	100µV, 1mV, 10mV, 100mV, 1V
Accuracy	±(0.25% rdg + 2 dgt)	±(0.5% rdg + 1 dgt)
Overload protection	1500V peak	1500V peak
Input Impedance	10MΩ	10MΩ
AC Volts	Auto/Manual ranging	Manual ranging
	True RMS	avg. responding, rms reading
Ranges	3.2V, 32V, 320V, 750V	200mV, 2V, 20V, 200V, 1000V
Resolution	1mV, 10mV, 100mV, 1V	100µV, 1mV, 10mV, 100mV, 1V
Accuracy	±(1.3% rdg + 3 dgt)	±(1.25% rdg + 4 dgt)
Frequency Response	40Hz - 1kHz	40Hz - 500Hz
Overload Protection	1100V peak	1500V peak
Input Impedance	10MΩ	10MΩ
Current	Auto/Manual ranging	Manual ranging
	AC True RMS	AC avg. responding, rms reading
Ranges	320µA, 3.2mA, 32mA, 300mA, 20A*	200µA, 2mA, 20mA, 200mA, 20A*
Resolution	0.1µA, 1µA, 10µA, 100µA, 10mA	0.1µA, 1µA, 10µA, 100µA, 10mA
Accuracy (DC)	±(1.0% rdg + 2 dgt), ±(2.0% rdg + 3 dgt) for 20A	±(1.0% rdg + 1 dgt), ±(2.0% rdg + 3 dgt) for 20A
Accuracy (AC)	±(2.5% rdg + 3 dgt), ±(2.5% rdg + 5dgt) for 20A	±(1.5% rdg + 3 dgt), ±(2.5% rdg + 4 dgt) for 20A
Frequency Response	40Hz - 1kHz	40Hz-500Hz
Overload Protection	High energy 600V, 1A full for µA/mA, High energy 600V, 15A for 20A	
Resistance	Auto/Manual ranging	Manual ranging
Ranges	320Ω, 3.2kΩ, 32kΩ, 320kΩ, 3.2MΩ, 32MΩ	200Ω, 2kΩ, 20kΩ, 200kΩ, 2MΩ, 20MΩ
Resolution	0.1Ω, 1Ω, 10Ω, 100Ω, 1kΩ, 10kΩ	0.1Ω, 1Ω, 10Ω, 100Ω, 1kΩ, 10kΩ
Accuracy	±(0.5% rdg + 2 dgt), ±(2.0% rdg + 5 dgt) for 32MΩ	±(0.75% rdg + 1 dgt), ±(1.5% rdg + 5 dgt) for 20MΩ
Overload Protection	600V peak	600V peak
Diode Check	Tested at 1.5mA, 3.3V max typical tested at 1mA 3.2V max typical	
Continuity	Beeper sounds below 200Ω approx.	Beeper sounds below 100Ω approx.
Display	0.53" LCD, 3200 count with 65-segment analog bargraph	0.8" LCD, 1999 count
Sampling rate	2/sec., 12/sec. for bargraph	2.5 /sec.
Operating Temperature	32° to 122°F (0°C to 50°C), <80% RH	
Power	Single 9V battery	
Battery life	200 hrs typ (alkaline)	250 hrs typ (alkaline)
Auto power off	Approx. 10 min.	Approx. 30 min.
Dimensions (H x W x D)	6.88 x 3.19 x 1.25" (175 x 81 x 32mm)	6.88 x 3.5 x 1.5" (175 x 89 x 38mm)
Weight	18.3 oz. (519g)	12 oz. (353g)

## Accessories

**Five Year Warranty**

SUPPLIED: Battery, test leads, rubber holster, manual  
 OPTIONAL: TL-1 Replacement Test Leads, TL-2A Deluxe Test Leads, TL-3 Accessory Tip Kit  
 (for TL-2A), TL-130A General Purpose DMM Kit, PR-28A High Voltage Probe,  
 CP-3 AC/DC Current Clamp Adapter  
 Carrying Case (not included): LC-29B

\*10 A continuous, 20A for 30 seconds max.