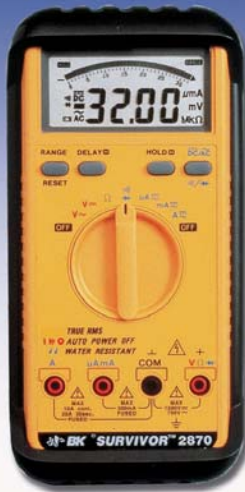
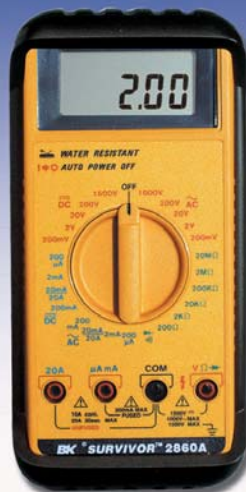


Survivor[®] Multimeters



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 | 100 μ V, 1mV, 10mV, 100mV, 1V | 100 μ V, 1mV, 10mV, 100mV, 1V |
| Accuracy | $\pm(0.25\% \text{ rdg} + 2 \text{ dgt})$ | $\pm(0.5\% \text{ rdg} + 1 \text{ dgt})$ |
| Overload protection | 1500V peak | 1500V peak |
| Input Impedance | 10M Ω | 10M Ω |
| 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 | 100 μ V, 1mV, 10mV, 100mV, 1V |
| Accuracy | $\pm(1.3\% \text{ rdg} + 3 \text{ dgt})$ | $\pm(1.25\% \text{ rdg} + 4 \text{ dgt})$ |
| Frequency Response | 40Hz - 1kHz | 40Hz - 500Hz |
| Overload Protection | 1100V peak | 1500V peak |
| Input Impedance | 10M Ω | 10M Ω |
| Current | Auto/Manual ranging | Manual ranging |
| | AC True RMS | AC avg. responding, rms reading |
| Ranges | 320 μ A, 3.2mA, 32mA, 300mA, 20A* | 200 μ A, 2mA, 20mA, 200mA, 20A* |
| Resolution | 0.1 μ A, 1 μ A, 10 μ A, 100 μ A, 10mA | 0.1 μ A, 1 μ A, 10 μ A, 100 μ A, 10mA |
| Accuracy (DC) | $\pm(1.0\% \text{ rdg} + 2 \text{ dgt})$ | $\pm(1.0\% \text{ rdg} + 1 \text{ dgt})$ |
| Accuracy (AC) | $\pm(2.0\% \text{ rdg} + 3 \text{ dgt})$ for 20A | $\pm(2.0\% \text{ rdg} + 3 \text{ dgt})$ for 20A |
| | $\pm(2.5\% \text{ rdg} + 3 \text{ dgt})$ | $\pm(1.5\% \text{ rdg} + 3 \text{ dgt})$ |
| | $\pm(2.5\% \text{ rdg} + 5 \text{ dgt})$ for 20A | $\pm(2.5\% \text{ rdg} + 4 \text{ dgt})$ for 20A |
| Frequency Response | 40Hz - 1kHz | 40Hz-500Hz |
| Overload Protection | High energy 600V, 1A full for μ A/mA, High energy 600V, 15A for 20A | |
| Resistance | Auto/Manual ranging | Manual ranging |
| Ranges | 320 Ω , 3.2k Ω , 32k Ω , 320k Ω , 3.2M Ω , 32M Ω | 200 Ω , 2k Ω , 20k Ω , 200k Ω , 2M Ω , 20M Ω |
| Resolution | 0.1 Ω , 1 Ω , 10 Ω , 100 Ω , 1k Ω , 10k Ω | 0.1 Ω , 1 Ω , 10 Ω , 100 Ω , 1k Ω , 10k Ω |
| Accuracy | $\pm(0.5\% \text{ rdg} + 2 \text{ dgt})$ | $\pm(0.75\% \text{ rdg} + 1 \text{ dgt})$ |
| | $\pm(2.0\% \text{ rdg} + 5 \text{ dgt})$ for 32M Ω | $\pm(1.5\% \text{ rdg} + 5 \text{ dgt})$ for 20M Ω |
| 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 200 Ω approx. | Beeper sounds below 100 Ω 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.

