

## SS30LA/SS30L ELECTRONIC STETHOSCOPE TRANSDUCER

The **SS30LA/SS30L** stethoscope was developed to teach the standard procedure for listening to heart sounds and Korotkoff sounds with a “normal” stethoscope, and record simultaneous sound data. A microphone in the **SS30LA/SS30L** records sound as it is heard and the BSL software displays the sound wave during and after recording (a variety of acoustical signals can be recorded). If ECG is also recorded, the timing of the heart sounds with the ECG can be correlated. The **SS30LA/SS30L** can be used with the **SS19L** Blood Pressure Cuff to record Korotkoff sounds for easy determination of systolic and diastolic blood pressure. With this combination, it is easy to obtain very accurate and repeatable results — usually within 10% of those determined by direct measurement.

- No calibration required, just select a **Stethoscope Preset** (Heart or Korotkoff Sounds)

**See also:** Biopac Student Lab Lesson 16 Blood Pressure and Lesson 17 Heart Sounds.

Note: The SS30L and SS30LA have the same form and function; the difference is an internal ID used by the BSL software.

- MP36 units are compatible with SS30L or SS30LA
- MP46 units require SS30LA

## SS30LA/SS30L SPECIFICATIONS

Microphone Bandwidth:	20-100 Hz (does not impact acoustical bandwidth, used for data viewing)
Stethoscope Length:	
From Y to acoustic sensor point:	57 cm
From Y to ears:	21 cm
Microphone Cable length:	3 meters