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MODEL SB-10
SWITCH AND BALANCE UNIT



The SB-10 Switch and Balance Unit provides a convenient means for strain measurement when more than one strain gauge is involved. While designed for use primarily with the Measurements Group P-3500 Strain Indicator, the SB-10 can also be used with other types of strain indicators.

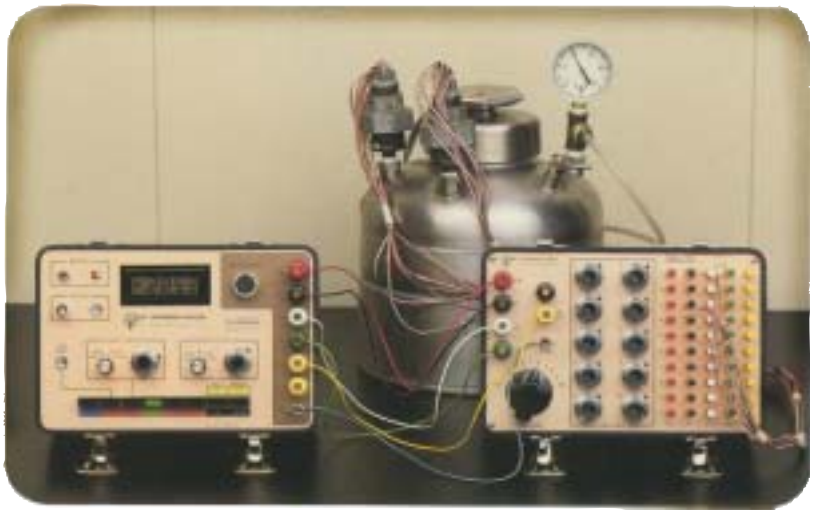
An updated version of the time-proven SB-1K Switch and Balance Unit, the SB-10 features gold-plated push/clamp binding posts to allow fast, convenient and reliable connection of input circuits and individual ten-turn locking potentiometers with turns-counting dials for fine-balance adjustment. Also available is the SB-10L, a basic version of the SB-10. It also features locking potentiometers, but without turns-counting dials. (SB-10 front panel is shown).

The channels selector switch of the SB-10 has negligible switch resistance and provides an open position to allow the use of additional SB-10's with a single strain indicator. The SB-10 also incorporates a common dummy position for use with other than 120- or 350-Ω strain gauges.

Ruggedly built and lightweight, the SB-10 is ideal for use in harsh field environments.

SPECIFICATIONS

Circuits:	10 channels plus OPEN position.
Inputs*:	Will accept quarter-, half- or full-bridge circuits in any combination, including three-wire quarter bridges.
Balance Range*:	
Quarter and Half Bridge:	±2,000με with 350Ω half bridge in strain indicator.
Full Bridge:	±2,000με for 350Ω bridge. Range proportional to bridge resistance.
Switching Repeatability:	Better than 1με for gauge resistance of 120Ω or higher.
Size & Weight:	9 X 6 X 6 in *(230 X 150 X 150 mm).* 5.5 lb. *(2.5 kg).*



*When used with Model P-3500

All specifications nominal or typical at +23°C unless noted.

The Measurements Group is a leading supplier of strain gauge instrumentation. Available instruments include portable indicators, signal conditioners / amplifiers, strain gauge installation tester, instrument calibrator and sophisticated computer controlled systems for the acquisition, storage and reduction of test data. Call or write for all of your strain gauge instrumentation needs.

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