

# Spring Back Tester

## Model SB5, SB6



Model SB5



Model SB6

## Test procedure

### Wire diameter from 0.07 mm to 1.60 mm

According to the standards, a wire sample should be wound (5 times IEC, DIN, 3 times NEMA, JIS) on a diameter mandrel. At its end, a weight will be applied. The winding speed must be constant. You can read the spring-back value on the graduate disc.

### Wire diameter >1.60 mm and strip

The test consists of bending a 400 mm (16") long specimen over a given angle, then removing the load and measuring the spring-back angle in degrees. You must remove the specimen from the spool with as slight bending as possible.

## System description

### Wire diameter up to 1.60 mm

- Complete set of weights and fast plug-in grooved mandrels
- Electronic drive brushless gear motor for winding /unwinding at a constant speed
- Disc division of every degree for all standards
- Fully automatic (model SB6), automatic winding according to IEC, NEMA standard (model SB5)
- Digital spring-back counter resolution 1° (model SB6)
- Speed and winding turns are automatically selected according to the standards

## System description

### Wire diameter >1.60 mm and strip

- Fully automatic, with motorised lever arm with constant speed (model SB6)
- Manual activated (model SB5)
- Digital spring-back angle readout with 0.1° resolution, optical fiber photocell to detect the sample position (model SB6)
- Integral precision scale, resolution to 0.10° of one degree up to 10° and 0.25° of one degree up to 15°
- Lever arm length 330 mm resolution 1 mm
- Direct indication of sample size in mm and AWG
- Adjustable device to compensate for the sample wire bend

## Specifications

Model	SB5	SB6
SB5, SB6		
<b>Dimensions</b>		
Dimensions (WxDxH)	330x500x280 mm	520x540x340 mm
Weight	15 kg / 33 lb	29 kg / 63.9 lb
<b>Power supply</b>		
Volt	230 V	230 V
Hertz	50/60 Single phase	50/60 Single phase
Volt-amperes	75	150
<b>Standards</b>		
IEC 60851-3.4		
NEMA MW 1000		
JIS C 3216-3		