BXS Guarded Sliding Rheostats

Product Overview

Oxide-insulated constantan wire is wound on a ceramic tube and held in a metal frame. A sliding contact varies resistance continuously in AC or DC circuits.



BXS series shown

Key Features

- Black constantan winding with low drift in continuous use.
- Fine, continuous adjustment with a simple slider.
- Series or parallel configurations with easy replacement.
- Non-inductive versions available on request.

Typical Applications

Instrument calibration, lab testing and teaching
Adjustable loads and current or voltage control
Excitation and speed control for generators and DC motors

Models and Dimensions

Model	Tube Ø (mm)	Overall Dimensions L × W × H (mm)	Weight (kg)
BXS-150	47	285 × 140 × 95	1.8
BXS-300	47	385 × 140 × 95	2.4
BXS-600	64	485 × 160 × 100	3.2

Resistance and Current Options

Use the resistance and current values from the same row.

BXS-150	
Resistance (Ω)	**Current (A)**
10	4
33	2.2
100	1.25
330	0.7
1,000	0.4
3,300	0.22

BXS-300	
Resistance (Ω)	**Current (A)**
3.3	10
10	5.7
33	3.1
100	1.8
330	1.0
1,000	0.57
3,300	0.31
10,000	0.18

BXS-600	
Resistance (Ω)	**Current (A)**
1.6	20
5	11.4
16.5	6.2
50	3.6
165	2
500	1.1
1,650	0.63
5,000	0.36

Ordering Information

Specify the model, resistance and current. State if a non-inductive version is required.