

OPERATING INSTRUCTIONS

Air-Cooled Laboratory Rheostat No. 32179 Series

1. Purpose

Laboratory Rheostats are devices which provide a variable resistance in electrical circuits for laboratory demonstrations of electrical phenomena.

2. Description

A Laboratory Rheostat consists of wire winding on a vitreous enameled tube held between cast-aluminum end supports. A metallic slide bar is held between the end supports by means of insulated bushings.

An aluminum, sliding-contact carriage, mounted on the slide bar, carries a copper contact. The resistance and measuring current rating of the rheostat is stamped on the upper surface of the contact carriage. Three binding posts, one at each end of the copper winding and the other at one end of the slide bar, are provided for electrical connection.

3. Specifications

<u>Number</u>	<u>Resistance (Ohms)</u>	<u>Maximum Current (Amperes)</u>
32179	4300	0.30
32179-01	2900	0.38
32179-02	1435	0.53
32179-03	770	0.77
32179-04	360	1.10
32179-05	180	1.60
32179-06	89	2.10
32179-07	45	3.10
32179-08	22	4.30
32179-09	11	6.20
32179-1	5.6	8.40

4. Maintenance

Laboratory Rheostats require no special maintenance and should provide trouble-free service. However, if any difficulty develops with a rheostat, contact Central Scientific Company, giving details of the problem. So that we can serve you better, please do not return any item to Central Scientific Company until we have sent you a written authorization.

Written 11/88