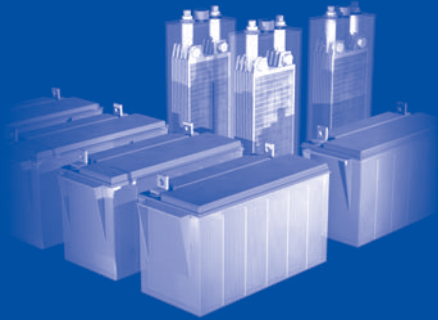


High Current Production Line Battery Testing

Model HRD 1500



How Does It Work?

Air cooled high rate discharge testers provide a constant resistance load regardless of the number of cycles of operation. This is accomplished through solid state switching and thyristor controlled semiconductors in the load carrying circuit. This is a principal reason why Bitrode's high rate discharge testers can operate for millions of cycles and still maintain the same test parameters that were achieved during the very first test.

The control logic incorporates reverse polarity indication, open circuit signals, test indication and reject indication.

All logic and trigger circuits are on one main circuit board. This simplifies servicing whenever required.



Model HRD1500
with Manual Test Probes

When operating, the reject set point for the ammeter is the only control to be set. The reject set point can be set anywhere from 0 to the full scale of the ammeter. The test duration is 2 seconds. An electronic circuit compares the reject set point with the actual current and initiates the reject signal if the battery fails to discharge above the reject set point.

▶ For Automotive And Commercial Batteries
Discharge Capacity Up To 1500 Amperes

▶ Solid State SCR Controlled Load Switching

▶ Water Cooled SCR With Air Cooled Load

▶ Test Up To 60 Batteries Per Hour

Bitrode

high current **Model HRD**



Construction

The HRD 1500 tester is mounted in a 16 gauge ventilated steel cabinet with a rear access door. The construction of the cabinet permits easy access to all of the interior components that may require service. The interior and exterior of the unit is painted with a polyurethane paint which is extremely acid resistant. Unit features a cable counterweight system with adjustable weight distribution. The unit should be mounted to the rear above the conveyor line. The bottom of the tester should be mounted approximately 18 in. (458 mm) above the conveyor roller level. Test probe bodies are machined copper and feature replaceable copper tips that have a hollow interior taper to fit over standard battery posts. Test initiation is via thumb switch on the right test probe. Test cables are air cooled 4/0 welding cable.

Options

Sturdy metal 52 inch high stand for mounting the tester above and behind a production line conveyor.

Model	Tests Per Hour	Maximum Discharge Capacity Amperes	Volts	Input Hertz	Power Phase	Amperes	Maximum Ambient Temperature	Coolant
HRD1500	60	1500	220	50	1	1.5	45C	Air/Water*

Specifications

Model	Dimensions		
	L in/mm	D in/mm	H in/mm
HRD1500	64/1626	33/839	61/1550

Measures

Weight Net pounds/kilograms	Export Packed pounds/kilogram
495/225	700/315



All products are subject to change in physical appearance and circuitry which will not alter performance specifications.

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