

HRD

High-Rate
Discharge Testing

BITRODE

PARTNER IN POWER

Applications

High rate discharge testing of automotive and commercial 6 & 12-volt batteries

Features & Benefits

The HRD family of equipment is designed for high rate discharge testing of automotive and commercial 6 and 12 volt batteries. Using Bitrode's exclusive pneumatically assisted manual test cables, the operator can perform a short test on each battery to find defects such as poor welds, reversed plates, and poorly formed batteries.

Additional features include:

- Water Cooled Cables, Resistor and Solid State SCR Controlled Load Switching
- Panel mounted polarity reverse control to allow bipolar battery testing without battery manipulation
- Equipped with voltage sensing leads and digital display of battery voltage during test
- On models equipped with optional 2 or 3 range resistance, operator chooses range from panel mounted switch
- Analog ammeter supplied in ranges of zero to 1500, 2000 or 3000 amperes to visually monitor discharge current during test
- Optional digital meter to hold final discharge current
- Front panel indicator warning lights for over temperature, low water pressure and over current



General Specifications

Voltage: 20V
Current: up to 3000A
Circuits: 1



BITRODE HEADQUARTERS
9787 Green Park Industrial Drive
St. Louis, Missouri 63123 - USA
tel: +1 636 343-6112
fax: +1 636 343-7473
email: info@bitrode.com

www.bitrode.com

*green is the standard color for the HRD in order to match our other end of line equipment. Example on back.



2019 Bitrode Corp.™

HRD

High-Rate Discharge Testing

System Options

- Models available with 1500, 2000 or 3000 ampere maximum discharge
- Open circuit voltage test and reject (12 volt only)
- Sturdy metal 52" stand available for mounting the tester above and behind a production line conveyor
- Load voltage test and reject (12 volt only)
- Two or three range discharge current
- Digital meter to hold last discharge current
- Closed Loop cooling system
- Attachment to a Bitrode Model TFX Automated Test Fixture



General Configurations

The table below provides configurations for our most popular models. If your desired specifications are not listed, please contact us. Custom product engineering is one of our greatest strengths.

Model	Maximum Discharge Capacity	Voltage	Current	Phase	Input Power (Hz)
HRD1500-220	1500	220	1.5	1	50
HRD2000-115	2000	115	3	1	60
HRD2000-230	2000	230	2	1	50
HRD3000-115	3000	115	3	1	60
HRD3000-230	3000	230	2	1	50

*All specifications subject to change without notice.

BITRODE HEADQUARTERS
9787 Green Park Industrial Drive
St. Louis, Missouri 63123 - USA
tel: +1 636 343-6112
fax: +1 636 343-7473
email: info@bitrode.com

www.bitrode.com

