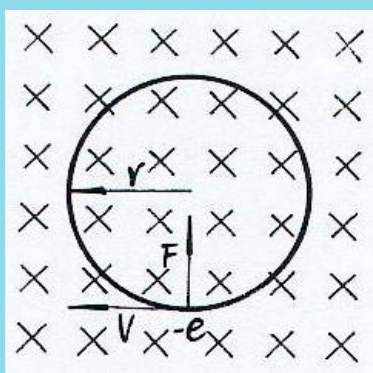


## LEAI-48 Lorentz Force Demonstrator

- Complete, compact & stable
- Affordable



This LEAI-48 Lorentz force demonstrator is useful for testing the electron charge/mass ratio ( $e/m$ ), also useful for demonstrating the Lorentz force exerted by a magnetic field on moving electrons and the deflection of moving electrons within an electric field. It is an affordable teaching apparatus for physics laboratories in colleges and universities.

### Specifications

Number of turns per coil	140
Diameter of Helmholtz coils	28 cm
Accelerating voltage	0 ~ 250 V continuously adjustable
Magnetizing current	0 ~ 2.5 A continuously adjustable
Current flow direction	Clockwise, Off, Counterclockwise
Deflecting voltage	50 V ~ 250 V continuously adjustable
Voltage polarity	Positive at upper-plate, Off, Positive at lower-plate

Lambda Scientific Systems, Inc.  
16300 SW 137th Ave, Unit 132  
Miami, FL 33177, USA  
Phone: 305.252.3838 Fax: 305.517.3739  
E-mail: [sales@lambdasys.com](mailto:sales@lambdasys.com)  
Web: [www.lambdasys.com](http://www.lambdasys.com)

**Note: above product information is subject to change without notice.**