

Narika product name:

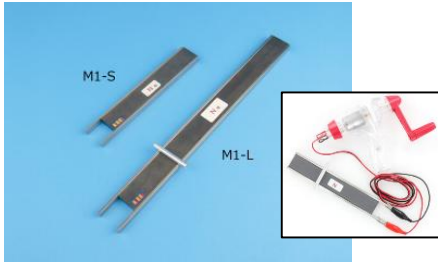
Electromagnetic Force Track M1-S / M1-L

Product Description:

Equipment to Experience
Electromagnetic Force Generated by
Electric Current & Magnetic Field

Catalog Number:

B10-4705-W1, W2



Overall advantages to users:

- Easy to realize how electromagnetic force applies to an aluminum pipe according to the Fleming's left-hand law.
- In combination with Geneon DUE (Handheld DC generator), easy to do hands-on experiment by frequently changing the direction of turning the handle, which results in changing the polarity, reversing current direction, and then reversing the movement of the pipe on the track.

Benefits to users:

- **To all users:**
 - Possible to do investigate electromagnetic force anywhere and anytime in combination with Geneon DUE – the recommended power source for this product.
- **To teachers:**
 - Compact size and easy storage.
 - Easy operation and maintenance-free.
 - If Geneon DUE is used together there is no need to worry about short circuit unlike when Power Supply is used.
- **To students:**
 - Possible to do some improvised experiments as follows:
 - ✓ Changing the speed of turning the handle of Geneon DUE will affect voltage generated resulting in different speed of the pipe on the track.
 - ✓ Aluminum pipe can be replaced with some other light and cylindrical conductive materials such as mechanical pencil lead, etc. to see if they start moving too.
 - ✓ Spark between the pipe and rail (+/- terminals) can be observed in a dark room.

Keywords:

- Electromagnetism
- Fleming's left-hand law
- Lorentz Force

Specifications:

- Size:
 - 170 x 27 x 10mm (M1-S),
 - 320 x 27 x 10mm (M1-L)
- Ferrite magnet (Permanent S/N)
- Rail: Stainless Steel (SUS304)
- Aluminum pipe x 1piece

- English ver. instruction manual available? → Yes
- Movie available? → Yes

Link to distributor(s):

<https://tinyurl.com/y85rkvfm>