

Product Name :
Interactive Linear Motors Kit**Product Code :**
NEE -18-06-18-0150**Description :**

Interactive Linear Motors Kit

Technical Specification :

Minimum Technical Specifications Required (like or better than):

- Transparent linear motor with non-ferrous armature • Range 340mm approx.
- Integrated microprocessor control
- 35W power amplifier
- Visualisation of control vector
- Position detection with analog Hall sensors
- Interactive Software

The Kit Should Cover the Following Training Contents

- Electromagnetic concepts
 - ï€ Movement of the motor and induced voltage
 - ï€ Force of the motor and current in the coils
 - ï€ Direction of force and the right-hand rule
- Operation of a linear motor
 - ï€ Design of a three-phase motor
 - ï€ Conditions for continuous movement
 - ï€ Interaction between motor and power supply
- Positioning of a linear motor
 - ï€ Positioning control system
 - ï€ How to measure the position of the motor

Motor start-up - the reference frame

- Applications

Electrical and Electronics

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