NAUGRA®

Product name:	Product code:
Magnetic Reed Proximity Sensor Training Unit	CMI-NP-1968



Description

Unit with reed switches and Hall effect proximity sensors operated by permanent magnets. Used to study magnetic sensing, cylinder position detection and contact bounce behaviour.

Technical specification

Counter	4 digit LED display
Supply Voltage	24 V DC
Power Supply	230 V AC, 50 Hz, single phase
Construction	Powder coated MS frame with laminated work surface and labelled terminals

Standard Accessories

- Patch cord set
- Instruction manual
- Experiment manual

The Magnetic Reed Proximity Sensor Training Unit is designed for ITI, polytechnic and TVET laboratories. Learners connect reed and Hall sensors to counters and relay logic to understand magnetic position sensing used on pneumatic cylinders.

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Features

- Reed switch and Hall sensor sections
- Permanent magnet slider with distance scale
- Pneumatic cylinder mounted sensor demonstration
- Counter and relay output sections
- Experiments on hysteresis and bounce

Technical Specifications

Sensors Provided	Reed switch, Hall effect sensor
Magnet Type	Neodymium, 10 mm dia
Operating Distance	0-20 mm
Reed Switch Rating	24 V DC, 0.5 A