NAUGRA®

Product name:	Product code:
Rotary Encoder and Speed Sensor Trainer	CMI-NP-1978



Description

Trainer with incremental rotary encoder, tacho generator and slotted optical sensor on a DC motor. Used to study speed, direction and position feedback in drive systems.

Technical specification

Display	4 digit rpm meter
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 Rotary Encoder and Speed Sensor Trainer is designed for ITI, polytechnic and TVET laboratories. The set demonstrates quadrature signals and rpm measurement used in motion control and closed loop systems.

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Features

- Incremental encoder 360 pulses per rev
- Tacho generator and optical sensor
- Variable speed DC motor drive
- Quadrature A B Z outputs at sockets
- Digital rpm and pulse count display

Technical Specifications

Encoder Resolution	360 PPR
Motor	24 V DC, 3000 rpm
Speed Range	0-3000 rpm
Tacho Output	3 V per 1000 rpm
Outputs	A, B, Z, TTL level