NAUGRA®

Product name:	Product code:
Small Car Differential Drive Kinematics Trainer	CMI-NP-2008



Description

Trainer to study differential drive motion with two independent wheel motors, encoders and a position display. Used to learn turning radius, odometry and path planning.

Technical specification

Controller	32 bit microcontroller
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 Small Car Differential Drive Kinematics Trainer is designed for ITI, polytechnic and TVET laboratories. Students calculate wheel speed combinations for straight and curved paths and compare computed and measured positions.

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Features

- Two independently driven wheels
- Wheel encoders 20 slots
- Dead reckoning position display
- Turning radius adjustment
- Path marker mat

Technical Specifications

Wheel Diameter	65 mm
Wheel Base	150 mm
Encoders	20 slot optical
Motors	6 V geared DC, 200 rpm
Position Accuracy	+/- 10 mm over 1 m