Product name:	Product code:
Ultrasonic Distance Sensor Training Board	CMI-NP-1982



Description

Training board with ultrasonic transmitter and receiver pair for time of flight distance measurement. Teaches echo principle, speed of sound and object detection. Students calibrate range readings against a scale and observe how surface and angle influence ultrasonic echo strength.

Technical specification

Test Points	Transmit, receive, echo pulse
Rail Length	1 m with scale
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 Ultrasonic Distance Sensor Training Board is designed for ITI, polytechnic and TVET laboratories. Students calibrate range readings against a scale and observe how surface and angle influence ultrasonic echo strength.

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Features

- Transducer pair at 40 kHz
- Time of flight measurement circuit
- Moving reflector on graduated rail
- Digital distance display
- Oscilloscope test points

Technical Specifications

Frequency	40 kHz
Measuring Range	3 cm to 400 cm
Resolution	1 mm
Display	4 digit LED in cm