

Product Name :
Sensor Trainer Instrumentation and Transducer

Product Code :
NLAB-ELECTRONICSAB110026



Description :

Sensor Trainer Instrumentation and Transducer

Technical Specification :

The Sensor Trainer Kit is a modularly designed complete training kit with all the necessary sensors, sources, electronic instrumentation, necessary jigs & displays. Experimentation is done by 2mm brass terminations & patch cords. The trainer is housed in an elegant & sturdy plastic cabinet and consists of mimicked dedicated circuits / blocks with necessary test points. The various sensors covered are :

Specification

Thermal / Temperature Sensors with heater: RTD

Strain Sensors (For Pressure): Pressure measurement by Strain Gauges Load Cell mounted on cantilever beam with weights

Displacement (Linear / Angular): Linear – LVDT mounted on Base with Centre Zero Micrometer

Linear – Displacement measurement by LDR

Angular – Speed measurement by Optical Transducer

Angular – Displacement measurement by Rotary Potentiometer

Special Purpose Sensor: Anemometer (For Speed measurement of AIR)

Sound Sensor: Speaker and Microphone as Sound Transducer

Digital Meters: Digital Meters are provided on Board For (Temperature, Distance and Speed Measurement)

Electrical Kettle: Electrical Kettle is provided with Thermometer

Weight Box: Weight Box with different Weights will be provided for Weight Measurement.

Power On: Power ON switch with indicator for mains on indication And fuse for protection

Power Requirement: 230V +/- 10% 1phase AC

SIZE & WEIGHT (approx): 255 mm (L) x 330 mm (W) x100mm (H), 1.5 Kg.

Accessories: Set of 12 stackable patch cords & Detailed Instruction Manual

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