

Product Name :
Instrumentation and Transducer Sensor Trainer 12 Sensors

Product Code :
NLAB-ELECTRONICSAB110025



Description :

Instrumentation and Transducer Sensor Trainer 12 Sensors

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: Thermocouple Thermistor RTD LM335

Strain / Load Sensors: Strain Gauges mounted on cantilever beam Load Cell mounted on cantilever beam with weights

Displacement (Linear / Angular): Linear – LVDT mounted on Base with Centre Zero Micrometer Angular - Speed sensor and a motor with variable speed Control Opto Coupler For Speed Measurement

Pressure Sensor: Pressure Sensor Using Strain Gauge

Special Purpose Sensor: Smoke sensor Buzzer Limit Switch Level Sensor For Water Level Measurement Photo Sensor (For Light Intensity Measurement)

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): 380 mm (L) x 280 mm (W) x100mm (H), 7.5 Kg.

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

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