52085 is a Sensor Trainer offer Complete training opportunity for most commonly used Sensor available for experimenting in the Laboratory. Due to the typical Strength obtain from a sensor is not enough to process the signal; this board provides signal conditioners with Digital panel meter for display.

SPECIFICATIONS:

Specifications:

- On-board Digital Panel Meter provided
- Measuring range of +/-1V
- Input available on 2mm Banana sockets

RPM Meter:

- Digital RPM Meter
- Input available on 2mm Banana sockets

LVDT Transducer:

- LVDT Transducer with transparent enclosure.
- Displacement of ± 5mm
- Primary Excitation voltage of Sine wave 1V p-p.
- Signal Conditioning Amplifier
- LVDT transparent With Screw Gauge unit

Strain / Load Cell Transducer:

- Resistive Load cell is used.
- Load/Strain in weights can be measured up to 3 Kgs.
- Primary Excitation voltage of 12V DC
- Signal Conditioning Amplifier
- Cantilever Load Cell platform Unit for Strain & Load Cell Setup
- Weight unit up to 3Kgs

Temperature Sensor:

- K-type Thermocouple is used.
- PT-100 Type RTD sensor is used
- LM335 Sensor.
- Thermistor Sensor

Signal Conditioning Amplifier:

- Heater, Thermometer, Transparent Jar unit for Temperature setup

Speed Sensor:

- Proximity Switch is used for Magnetic Pickup.
- DC Motor with Proximity Switch for Speed Measurement Setup

Smoke Sensor:

- MQ2 Smoke Sensor.
- Buzzer for Alarm

Signal Conditioning & Amplifier:

- Instrumentation amplifier
- All interconnections are made using 2mm socket.
- Test points are provided to analyze signals at various points.
- All ICS are mounted on IC Sockets.
- Bare board Tested Glass Epoxy SMOBC PCB is used.
- In-Built Power Supply of ±5V, ±12V.
- Attractive Metal Enclosure
- User Manual for Experiments.

Note: Specifications are subject to change.

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