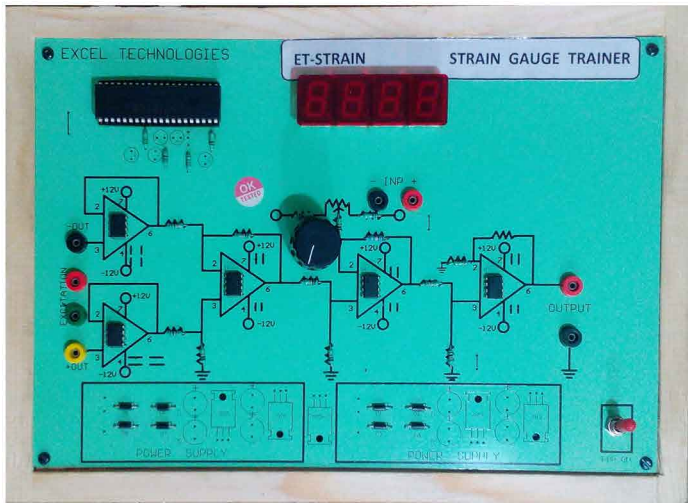




SENSOR & INSTRUMENTATION - I



MODEL : ET-STRAIN

* Strain Gauge Trainer

ET-STRAIN is used to study Strain Gauge. The strain gauge sensor has 4 number of strain rosette. The student applies strain using the weights provided with the kit and measure the corresponding voltage. This kit has been designed keeping students in mind so its very easy to understand and use.

Specification:-

- 4 number strain rosette fixed to plate
- Optional facility for Quarter and Half Bridge configuration
- Test points are provided for measuring the voltage
- On board Digital meter: 3 ½ digits
- On board Amplifier Section
- Built in Zero Offset
- ON/OFF switch and LED for power indication.
- Bare board Tested Glass Epoxy SMOBC PCB is used.
- Block Description Screen printed on glassy epoxy PCB
- All interconnections are made using 2mm banana Patch cords
- Supplied with User manual and patch cords
- Weights of 1Kg, 500g, 200g, 100g, 50g provided with the kit (for applying strain)
- With built-in power supply
- Enclosed in a wooden/plastic box

Note : Sensor of higher capacity also available on request

* LOAD Cell Trainer

ET-LOAD is used to study LOAD Cell sensor. The load cell sensor has 4 number of load rosette. The student applies load using the weights provided with the kit and measure the corresponding voltage. This kit has been designed keeping students in mind so its very easy to understand and use.

Note : Specifications are subject to change due to our constant efforts for Improvement. Please refer to quotation for final specifications.

Specification:-

- 4 number strain rosette fixed to load cell
 - Test points are provided for measuring the voltage
 - On board Digital meter: 3 ½ digits
 - On board Amplifier Section
 - Built in Zero Offset
 - ON/OFF switch and LED for power indication.
 - Bare board Tested Glass Epoxy SMOBC PCB is used.
 - Block Description Screen printed on glassy epoxy PCB
 - All interconnections are made using 2mm banana Patch cords
 - Supplied with User manual and patch cords
 - Weights of 1Kg, 500g, 200g, 100g, 50g provided with the kit (for applying strain)
 - With built-in power supply
 - Enclosed in a wooden/plastic box
- Note : Sensor of higher capacity also available on request

* Pressure Trainer

ET-Pressure is used to study Pressure transducer .The kit comes with pressure tank, pump, pressure gauge , etc. This kit has been designed keeping students in mind so its very easy to understand and use.

Specification:-

- Provided with Pressure Sensor (0 to 10 Kg/cm²)
- Provided with Pressure gauge
- Provided with Pressure Tank
- Pump for applying pressure included
- Test points are provided for measuring the voltage
- On board Digital meter: 3 ½ digits
- On board Amplifier Section
- Built in Zero Offset
- ON/OFF switch and LED for power indication.
- Bare board Tested Glass Epoxy SMOBC PCB is used.
- Block Description Screen printed on glassy epoxy PCB
- All interconnections are made using 2mm banana Patch cords
- Supplied with User manual and patch cords
- With built-in power supply
- Enclosed in a wooden/plastic box

Note : Sensor of higher capacity also available on request