

ITK - 03

LOAD MEASUREMENT USING STRAIN GAUGE (LOAD CELL)



Features

- **Transducer**
 - Resistive Load cell is used.
 - Load in weights can be measured up to 3 KGs.
 - Primary Excitation voltage of 12V DC
- **Measurement Options**
 - On-board Digital Panel Meter provided
 - Output available on 2mm Banana sockets for Monitoring
 - Weights can be verified by Physical counting of weights
- **Onboard Features**
 - Provided with excitation voltage
 - Weights of different denominations provided
 - Onboard Instrumentation Amplifier provided
 - Block Description Screen printed on glassy epoxy PCB
 - Facility to Interface with PC (Optional)
 - Facility to Interface with 8085/86/51 kit(Optional)
- **Interconnections**
 - All interconnections are made using 2mm banana Patch cords.
- 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/1.5A, ±12V/250mA with Power ON indication
- Attractive ABS Plastic enclosures.
- Set of 2mm Patch cords for interconnections.
- User's Manual with sample experimental programs

ITK - 04

TEMPERATURE MEASUREMENT USING THERMOCOUPLE



Features

- **Sensor**
 - K-type Thermocouple is used.
 - Temperature measurement up to 100°C
- **Measurement Options**
 - On-board Digital Panel Meter provided
 - Output available on 2mm Banana sockets for Monitoring
 - Thermometer for measurement of temperature
- **Onboard Features**
 - Thermometer for measurement of temperature up to 100°C
 - Water Heater with AC mains Chord provided
 - Onboard Instrumentation Amplifier provided
 - Block Description Screen printed on glassy epoxy PCB
 - Facility to Interface with PC (Optional)
 - Facility to Interface with 8085/86/51 kit(Optional)
- **Interconnections**
 - All interconnections are made using 2mm banana Patch cords.
- 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/1.5A, ±12V/250mA with Power ON indication
- Attractive ABS Plastic enclosures.
- Set of 2mm Patch cords for interconnections
- User's Manual with sample experimental programs

Note : Specifications & Photo can be altered without notice in our constant efforts for improvement.