

Strain Gauge Trainer With Cantilever

Product Code :GE809

Specifications:

- Parameter Measured: Strain in terms of grams on a cantilever beam
- Measurement System :a] Weight b] Transducer with electronic instrumentation
- Transducer: Temperature compensated strain gauge
- Type: Cu-Ni foil with polyamide carrier base
- Gauge Resistance: 350 Ohms (Nominal)
- Gauge Length: 20 cm
- Cantilever thickness: 0.16 cm
- Gauge Width 2.4 cm
- Gauge Base: 12.5 mm x 4.3 mm
- Gauge Factor: 2:1 (approx.)
- Transducer: Strain gauges mounted on a stainless steel Measurement cantilever beam
- Configuration: Bridge with two strain gauges (Wheatstone Bridge principle)
- Range: Upto 500 gram
- Actual strain: by various weights to be placed in a pan fixed with the beam
- Excitation Source: DC Regulated source
- Tare Adjustment: Zero adjustment by a potentiometer
- Readout: 3.5 digit digital display to indicate strain in kilograms
- Test Points: Test points are provided at various stages in the circuit to observe wave forms and voltages.



FEATURES:

- Self-contained and easy to operate
- Sensitive, Linear, stable & accurate
- Test-points to observe input output of each block
- Onboard gain adjustment
- Built in DC power supplies
- 3-1/2 digits LED display
- Onboard cantilever arrangement
- High repeatability and reliability