

**Product Name :**  
Measurement Of Strain Using Strain Gauge

**Product Code :**  
ELC-ICE-0001



**Description :**

Measurement Of Strain Using Strain Gauge

**Technical Specification :**

Measurement Of Strain Using Strain Gauge Lab Equipments Manufacturer,

Suppliers & Exporters Measurement Of Strain Using Strain Gauge

Parameter Measured : Strain in terms of Kilograms on a cantilever beam.

Measurement System : a] Weights b] Transducer with electronic instrumentation.

Transducer : Temperature compensated strain gauge.

Type : Cu-Ni foil with polyamide carrier base.

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Gauge Resistance : 350 Ohms (Nominal).  
Gauge Length : 6mm.  
Gauge Width : 2.4 mm.  
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 arms as strain gauges (Wheatstones Bridge principle).  
Range : 10 Kilograms.  
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 ten turn potentiometer.  
Readout : 3.5 digit digital display to indicate strain in kilograms.  
Test Points : Multicoloured test points are provided at various stages in the circuit to observe waveforms and voltages.  
Indicator : Mains ON/OFF.  
Power Requirements  
Standard Accessories : Detailed Instruction Manual.

## Civil Mechanical India

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