

Product Name :
Astra Scientific Measurement Of Strain Using Strain Gauge

Product Code :
Instrumentation0001



Description :

Astra Scientific Measurement Of Strain Using Strain Gauge

Technical Specification :

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.
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.



Astra Scientific

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