



Measurement Lab [Transducer Lab] - Instrumentation Tutor - III and IV



www.unitechscales.com

Instrumentation - III

This comprises of piezoelectric crystal to measure vibration force, LDR to measure light intensity with respect to distance, capacitance to measure displacement, resistance to measure angular displacement. The components used are supplied with the setup to conduct the experiments. An attempt is made to demonstrate the usage of the components in measurement and instrumentation field. Digital readout is provided to show the measured parameter.

Instrumentation Tutor - IV

This comprises of load, torque & pressure. For measurement of load a strain gauge based load cell of capacity 1 Kg is supplied. For torque measurement a torque cell of 1 Kg-m with fulcrum arm of 1M length is supplied. Dead weight upto 1 Kg is supplied to conduct the experiment. For pressure measurement pressure cell of 5 Kg/cm² capacity is supplied along with a foot pump & bourdon pressure gauge to build pressure upto 5 Kg/cm² to conduct the experiment. Digital readout is provided to indicate the parameter.