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Product Name :
Data Acquisition For Materials Tester

Product Code :
LBNY-0005-10100056



Description :

The acquired data is processed by evaluation software on a PC. The data acquisition system significantly enhances the possibilities offered by the assembly project. The two systems together form a state-of-the-art materials tester with data acquisition, suitable for a wide range of experiments. The fully assembled presents a real, fully functional data acquisition system for the measurement of pressure (forces) on, and changes in length of, a test specimen. All the necessary tools and aids, as well as comprehensive instructional material, are included. The assembly process includes the basic mechanical construction and wiring as per the circuit diagram.

Technical Specification :

The assembly project forms part of the assembly, maintenance and repair practice line
Linear potentiometer to measure displacement
Force measurement by pressure sensor
Assembly project for training in metalworking and electrical trades
Complete parts set to construct a data acquisition system for a materials tester
Assembly tool kit

Technical Data:

Measuring amplifier with USB port
Input: 0...5V
Resolution: 12bit
Pressure sensor For force measurement
0...100bar

Displacement sensor
0...50mm
Dimensions and Weight:
l x w x h: 225x200x75mm (amplifier)
Weight: approx. 5kg.



Laboratory Instrument India