



MEASUREMENT OF PRESSURE USING PRESSURE TRANSDUCER

MODEL-TR12

This trainer has been designed with a view to provide theoretical and experimental knowledge of Measurement of Pressure using Pressure transducer on a SINGLE P.C.B.



SPECIFICATIONS

1. Parameter Measured : Pressure (Kg/cm^2)
2. Measurement System : Transducer with electronic instrumentation.
3. Transducer Used : General purpose pressure transducer with shielded cable and connector.
4. Transducer Range : 0 to 10 Kg/cm^2 .
5. Sensor : Strain Gauge type.
6. Configuration : Bridge type
7. Excitation Source : 5V DC (Regulated).
8. Amplifier : Solid state precision amplifier.
9. Readout : 3.5 digit digital display.
10. Controls : Multi-turn potentiometer for zero adjustment.
11. Test Points : Multicolored test points are provided at various stages in the circuit to observe the Waveforms and voltages.
12. Indicator : Mains ON/OFF.
13. Connector : Facility for connecting transducer.
14. Power Requirements : 230V, $\pm 10\%$ AC 50Hz, 1 phase
15. Pressure Source : Optional

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

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