



ANALOG SENSORS & PNEUMATIC MODULE (SAP-36B)

Technical Specification: -

| No. | Technical Specifications |
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| 1 | Analog Sensors mounted on a PVC/ACRYLIC /Aluminum/MS Support structure board. |
| 2 | Different type of sensors with operations. |
| 3 | Different type of Actuators & its operations. |
| 4 | Types of Sensor: Linear Potentiometer (0-100 mm), LVDT (5mm/100mm), Analog Inductive Distance Sensor , Analog Ultrasonic Distance Sensor, Fiber Optic Distance Sensor, etc |
| 5 | Digital Multimeter |
| 6 | Digital Vernier Caliper : 0- 150 mm |
| 7 | Pneumatic Manifold Distributor, AFR Unit, Accumulator Tank (120x300 mm), Pneumatic Cylinder (stroke 100mm), Hand Operated Valve, Pneumatic Solenoid valve , |
| 8 | Strain Gauge Unit with Signal Processing Ckt., suitable weights |
| 9 | Pressure Sensor : 0- 8 bar |
| 10 | Steel Ruler- 1000 mm |
| 11 | Distribution Unit with Banana Sockets |
| 12 | 24 VDC Power Supply |
| 13 | Quick connection connectors & PU Tube piping, Test Point Connections for PLC |
| 14 | Load Cell Force Measurement unit |
| 15 | Air Compressor: 25 ltr. ; Supply pressure= 6 to 8 bar , 1HP/2HP |

Range of Experiments-

- ❖ Measurement of linear position variation
- ❖ Measurement of pneumatic pressure level in the system
- ❖ Weight measurement using strain gauge
- ❖ Study properties and response of various types of analog sensors (Inductive, Ultra sonic, Reflective, Fiber optic, etc)
- ❖ Measurement and comparison of linear actuator- force measurement using sensor
- ❖ Response curve generation for the cylinder based on Force of actuation for varying Actuation speed

SAP E & C ANALOG SENSORS & PNEUMATIC MODULE
(PRODUCT CODE: SAP – 36B)



Features: -

- ❖ Compact Ergonomic Design.
- ❖ User Friendly, Self Explanatory Systems.
- ❖ Robust Construction.
- ❖ Enhanced Electrical Safety Considerations.
- ❖ Training Manuals, Mimic Charts for Operation Ease.
- ❖ Inbuilt Safety Measures to avoid improper usage

Services Required-

- ❖ Electric Supply of 1 ϕ 230 V AC, 6A, 50Hz.
- ❖ Pneumatic Air Supply : 0 to 8 kg/cm²

System Dimension: Approx. 2.25 Ft. (L) X 1.125 Ft. (W) X 2.5 Ft. (H)

Weight: Approx. 50Kg

Note-

All descriptive matter and illustrations are intended to give only a general idea of the equipment Detailed specifications may be altered at the company's discretion without any notice.

