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





ANALOG SENSORS & PNEUMATIC MODULE (SAP-36B)

Technical Specification: -

 Distance Sensor , Analog Ultrasonic Distance Sensor, Fiber Optic Distance Sensor, etc Digital Multimeter Digital Vernier Caliper : 0- 150 mm Pneumatic Manifold Distributor, AFR Unit, Accumulator Tank (120x300 mm), Pneumati Cylinder (stroke 100mm), Hand Operated Valve, Pneumatic Solenoid valve , Strain Gauge Unit with Signal Processing Ckt., suitable weights Pressure Sensor : 0- 8 bar Steel Ruler- 1000 mm Distribution Unit with Banana Sockets 	No.	Technical Specifications
 3 Different type of Actuators & its operations. 4 Types of Sensor: Linear Potentiometer (0-100 mm), LVDT (5mm/100mm),Analog Inductiv 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), Pneumati 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 	1	Analog Sensors mounted on a PVC/ACRYLIC /Aluminum/MS Support structure board.
 4 Types of Sensor: Linear Potentiometer (0-100 mm), LVDT (5mm/100mm), Analog Inductiv 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), Pneumati 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 	2	Different type of sensors with operations.
 Distance Sensor , Analog Ultrasonic Distance Sensor, Fiber Optic Distance Sensor, etc Digital Multimeter Digital Vernier Caliper : 0- 150 mm Pneumatic Manifold Distributor, AFR Unit, Accumulator Tank (120x300 mm), Pneumati Cylinder (stroke 100mm), Hand Operated Valve, Pneumatic Solenoid valve , Strain Gauge Unit with Signal Processing Ckt., suitable weights Pressure Sensor : 0- 8 bar Steel Ruler- 1000 mm Distribution Unit with Banana Sockets 	3	Different type of Actuators & its operations.
 5 Digital Multimeter 6 Digital Vernier Caliper : 0- 150 mm 7 Pneumatic Manifold Distributor, AFR Unit, Accumulator Tank (120x300 mm), Pneumati 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 	4	Types of Sensor: Linear Potentiometer (0-100 mm), LVDT (5mm/100mm), Analog Inductive
 6 Digital Vernier Caliper : 0- 150 mm 7 Pneumatic Manifold Distributor, AFR Unit, Accumulator Tank (120x300 mm), Pneumati 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 		Distance Sensor , Analog Ultrasonic Distance Sensor, Fiber Optic Distance Sensor, etc
 Pneumatic Manifold Distributor, AFR Unit, Accumulator Tank (120x300 mm), Pneumati Cylinder (stroke 100mm), Hand Operated Valve, Pneumatic Solenoid valve , Strain Gauge Unit with Signal Processing Ckt., suitable weights Pressure Sensor : 0-8 bar Steel Ruler- 1000 mm Distribution Unit with Banana Sockets 	5	Digital Multimeter
Cylinder (stroke 100mm), Hand Operated Valve, Pneumatic Solenoid valve ,8Strain Gauge Unit with Signal Processing Ckt., suitable weights9Pressure Sensor : 0- 8 bar10Steel Ruler- 1000 mm11Distribution Unit with Banana Sockets	6	Digital Vernier Caliper : 0- 150 mm
 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 	7	Pneumatic Manifold Distributor, AFR Unit, Accumulator Tank (120x300 mm), Pneumatic
9 Pressure Sensor : 0- 8 bar 10 Steel Ruler- 1000 mm 11 Distribution Unit with Banana Sockets		Cylinder (stroke 100mm), Hand Operated Valve, Pneumatic Solenoid valve,
10Steel Ruler- 1000 mm11Distribution Unit with Banana Sockets	8	Strain Gauge Unit with Signal Processing Ckt., suitable weights
11 Distribution Unit with Banana Sockets	9	Pressure Sensor : 0- 8 bar
	10	Steel Ruler- 1000 mm
12 24 VDC Bower Supply	11	Distribution Unit with Banana Sockets
	12	24 VDC Power Supply
13 Quick connection connectors & PU Tube piping, Test Point Connections for PLC	13	Quick connection connectors & PU Tube piping, Test Point Connections for PLC
14 Load Cell Force Measurement unit	14	Load Cell Force Measurement unit
15 Air Compressor: 25 ltr. ; Supply pressure= 6 to 8 bar , 1HP/2HP	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

For More Details Visit Our Website At: <u>www.sapengineers.com</u>, <u>www.sapengineers.co.in</u> E-mail:- <u>sales@sapengineers.com</u> SAP Engineers & Consultants, Kothrud, Pune-411 038, India. Ph-(020)25384737

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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 1φ 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.

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