

WQIP-1001

Industrial Sensor Lab

- ☐ Table top portable training platform with suitable top enclosure to prevent from dust /dirt, accidental damage, and moisture.
- ☐ All sensors are mounted with 3 electrical terminals (24V, ground, output).
- ☐ All sensor modules are enclosed and coupled with compatible latch arrangement to secure into position.
- ☐ This Training platform mounting plate comes with epoxy coated paint.
- ☐ Facility of using a bread board enabling custom made circuit design and testing.
- ☐ Actuator includes motorized module with speed controller sensors.
- ☐ The platform has facility for easily connecting different sensor modules for study /testing.
- ☐ This training platform is supplied with a dedicated briefcase for safe and convenient sensor carrying.
- ☐ Built-in DC Power Supply.
- ☐ Easy to operate.
- ☐ Compact tabletop ergonomic design.
- ☐ Ready assignment and exercise manuals
- ☐ Robust construction.

Sensors Specifications

Photoelectric through beam sensor.

- ☐ Sensing method: Through beam
- ☐ Maximum sensing distance: 1 meter
- ☐ Control output: PNP
- ☐ Operating voltage: 12 – 24VDC
- ☐ Connection: Latch or Removable Arrangement or Modular
- ☐ Casing: Acrylic

Photoelectric retro reflective sensor with reflective plate

- ☐ Maximum sensing distance: 1 meter
- ☐ Control output: PNP
- ☐ Operating voltage: 10 – 30VDC
- ☐ Connection: Latch or Removable Arrangement or Modular
- ☐ Casing: Acrylic

M6 reflective fiber coupled with fiber sensor amplifier

- ☐ Control output: PNP
- ☐ Operating voltage: 12 – 24VDC
- ☐ Connection: Latch or Removable Arrangement or Modular
- ☐ Casing: Acrylic

Diffuse reflective sensor

- ☐ Maximum sensing distance: 10 – 70cm
- ☐ Control output: PNP
- ☐ Operating voltage: 10 – 30VDC
- ☐ Connection: Latch or Removable Arrangement or Modular
- ☐ Casing: Acrylic



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Diffuse reflective sensor with adjustable sensitivity

- ☐ Maximum sensing distance: 10 – 30cm
- ☐ Adjustable sensitivity
- ☐ Control output: PNP
- ☐ Operating voltage: 10 – 30VDC
- ☐ Connection: Latch or Removable Arrangement or Modular
- ☐ Casing: Acrylic

Distance settable sensor

- ☐ Maximum sensing distance: 2mm – 80mm
- ☐ Control output: PNP
- ☐ Operating voltage: 10 – 30VDC
- ☐ Connection: Latch or Removable Arrangement or Modular
- ☐ Casing: Acrylic

Digital counter

- ☐ Display: Single display, 4 digits, 0.56”,
- ☐ 7 segment, Red LED display
- ☐ Input: PNP sensor/ switch
- ☐ Range: 0-999999 count
- ☐ Supply: 230V AC
- ☐ Connection: Latch or Removable Arrangement or Modular
- ☐ Casing: Acrylic

Tachometer

- ☐ Range: 4-5000RPM
- ☐ Display: Single display, 4 digits, 0.56”, 7 segment, red LED display
- ☐ Input: PNP sensor/ switch
- ☐ Connection: Latch or Removable Arrangement or Modular
- ☐ Casing: Acrylic

Switch and LED module

- ☐ LED light: 3 nos.
- ☐ Momentary switch: 2 nos.
- ☐ Supply: 24VDC
- ☐ Connection: Latch or Removable Arrangement or Modular
- ☐ Casing: Acrylic

Motorized (24VDC) rotary disc (with 2 set of black and white region)

- ☐ Supply: 24VDC
- ☐ (D50mm-100mm) c/w 2 sets of alternate black and white region
- ☐ Connection: Latch or Removable Arrangement or Modular
- ☐ Casing: Acrylic

Motorized (24VDC) rotary disc (with 2 set of yellow, green, blue, and red region)

- ☐ Supply: 24VDC
- ☐ (D50mm-100mm) c/w 2 sets of the alternate yellow, green, blue, and red region.
- ☐ Connection: Latch or Removable Arrangement or

Cylindrical capacitive sensor

- ☐ Maximum sensing distance: 10-15 mm
- ☐ Control output: PNP
- ☐ Operating voltage: 10 – 30VDC

Cylindrical inductive sensor

- ☐ Maximum sensing distance: 8-10 mm
- ☐ Control output: PNP
- ☐ Operating voltage: 10 – 30VDC
- ☐ Connection: Latch or Removable Arrangement or Modular
- ☐ Casing: Acrylic

8 pin DIN mounted 24VDC coil electromagnetic relay

- ☐ Coil voltage: 24VDC
- ☐ Type: DPDT
- ☐ Connection: Latch or Removable Arrangement or Modular
- ☐ Casing: Acrylic

Momentary push button Momentary push button 2nos

Breadboard -1 no.

- ☐ 830 Solder-less Points
- ☐ Ideal for Experimenting with Circuit Design in Labs
- ☐ Colored coordinates for easy components placement.
- ☐ Accept a variety of wire sizes 20-29 AWG



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