



The didactic package designed to study various industrial sensors. The various types of detectors and targets proposed are representative of the equipment found in an industrial environment. The power supply box is equipped with indicator lights to show the states of the detectors. The package should be designed to achieve learning objectives:

Features

- Finding out about the various technologies used in industrial detection:
- Photoelectric detectors (barrier, reflex, fibre optics, background obliteration, etc.),
- Inductive and capacitive detectors for detection of various materials,
- Detection of rectilinear or angular movement via position switches.
- Implementing detectors.
- Making adjustments.
- Setting up a detection chain.

Detailed Technical Specifications:

Each Sensor case to include:

- Aluminium Base Unit – 1 Nos.
- Limit switch Plastic – 1 Nos.
- Limit switch, metal end Plunger – 1 Nos.
- Limit switch plastic thermoplastic roller – 1 Nos.
- Limit switch thermoplastic roller lever – 1 Nos.
- Limit switch plastic steel roller plunger – 1 Nos.
- Inductive sensor M18 – 3 Nos.
- Capacitive Proximity sensor M18 – 2 Nos.
- Photo Electric sensor sensing – 2 Nos.
- Photo Electric sensor nominal sensing – 1 Nos.
- Photo electric sensor defuse nominal – 1 Nos.
- Photo electric fiber amplifier – 1 Nos.

Note: Specifications are subject to change.

- Plastic fiber optic for sensor 3m long – 1 Nos.
- Fiber optic Amplifier – 1 Nos.
- Reflector – 1 Nos.
- Aluminium Wise – 3 Nos.
- Motor Unit with Controller - 1 Nos
- Power supply + Counter Unit +DC Drive + ABS Enclosure – 1 Nos.
- Angle Job – 1 Nos.
- Sensor Brackets – 4 Nos.
- Patch Chord (2mm) – 6 Nos.
- Evaluation Unit Digital Material Differentiation- 1 No.
- Height Compensation for Sensors – 1 No.
- Meter Housing Variant, Frequency Module, 1 Display – 1 No.
- Guide Unit 450 mm With Ultrasonic Measuring Device – 1 No.
- Material Sample Kit for Analog & Digital Sensor Training Kit:

Scope of Supply:

- Metal and plastic samples in different thicknesses
- Metal samples in different widths
- Aluminium samples with groove or different holes
- Plastic samples with different shades
- Magnetic samples in different sizes
- Specimens with mirror foil, retro foil, foam or cardboard
- Coil on printed circuit board
- Retroreflector with quick-fix system
- Height adapter for plastic material samples
- Aluminium spacer plates
- Screwdriver

For 52151A - Analog Sensor Training Kit Only

- Analog sensors – 2 No. each from the below types: -
- 1. Temperature sensor
- 2. Pressure sensor
- 3. Distance sensor
- 4. Luminance sensor