



The PLC 930 has been designed to complement the PLC 910 Student Trainer. Whereas the 910 deals with PLC-managed control of working devices where position is not important, the 930 incorporates a DC motor with encoder to render information about speed, direction and position.

The unit also incorporates a stepper motor, which can be driven from the high frequency output of the PLC.

A digital totaliser (with direction and reset control) is coupled to the encoder and provides a display of the number of pulses counted during a particular cycle.

LEDs and a buzzer are provided as indicators for PLC output status during the programme cycle.

Steel, brass and plastic objects are attached to the turntable and are used to demonstrate the action of a variety of sensors.

The turntable can be driven by either the DC motor or the stepper motor.

The sensors include: inductive proximity, capacitive proximity and reflex photo electric.

All connections to and from the PLC and the devices are accessible via 10 mm high quality polyamide binding posts.



## SENSOR & MOTION TRAINER

PLC-930

### PLC-930 Specifications

#### Dimensions:

370(l) X 570(b) X 40(h) at 4 Kg mass

#### Input devices:

start switch  
stop switch  
shaft encoder (200 pulses/rev)  
inductive proximity  
capacitive proximity and  
reflex photo electric  
3 x biased/on/off toggle switches

#### Output devices:

digital counter  
DC micro motor  
stepper motor  
12V buzzer  
3 x LED indicators

#### Mechanical devices:

140 mm rotating turntable which can be coupled to DC motor or stepper.  
Shaft encoder is coupled to the turntable for position reference.  
3 objects (steel, brass & plastic) can be attached to the turntable.

#### Other:

Clear, concise didactic information is silk-screened onto the front panel.

#### Power Supplies:

24 volt 0,5 amp & 12 volt 1 amp regulated PSUs

#### PLC:

The PLC is DC input/DC output type to utilise all the input and output devices provided (high speed input and output capability)

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