



### Application

- A versatile standalone trainer for measuring speed using a photoelectric pickup transducer, featuring complete instrumentation - pulse generator, counter, decoder, driver, and seven-segment RPM display - with motor speed control.

### Product Features:

- Motor Unit:
  - o Motor: Specially designed bi-directional permanent magnet armature controlled DC motor.
  - o Power: 6 Watts.
  - o Speed: 3000 RPM max.
  - o Voltage: 12V DC.
  - o Torque: 0.3 kg. cm.
  - o Mounting: Motor mounted with wheel and photo pick up transducer.
  - o Counter: Special connector with wires to connect motor unit to measuring unit.
- Main Measuring Unit:
  - o Parameter Measured: Speed in rpm.
  - o Speed Control: Built - in solid - state speed controller voltage based.
  - o System Range: 5000 rpm max.
  - o Instrumentation: Pulse generator, counter, decoder, driver.
  - o Readout: 4-digit digital readout 0.5" Red.
  - o Controls:
    - Speed control
    - Mains ON / OFF
  - o Connector: Facility for connecting the motor unit.

*Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.*



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o Test Points: Multicolored test points are provided at various stages in the circuit to observe waveforms and voltages.

**Accessories/Spares:**

- Motor Unit with Photoelectric Pickup Sensor and Reflecting Disc
- Connecting Cables, Power Adapter, and Seven-Segment Display Module

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