



Key Features

- Stepper motor operation through pulse circuit Stepper motor operation through 8085 kit Built-in programs in EPROM(optional) Dynamic response study The motor unit is housed in a separate cabinet With transparent Cover for easy viewing. Interconnection with the main unit is through a standard 9-pin D-type connector. All power supplies and step input signal are internally Single stepping and free running modes of operation with speed variation and direction reversal - internal TTL circuit. 360° motion Servo-Potentiometer position-pickup for motor dynamics Operation through microprocessor kit - sample control programs provided Separate microprocessor kit for connection to the main unit to carry out expt. Stepper motor specification Torque: 2.8 Kg-cm Step angle: 1.8° Power: 6V, 1A/phase 220V±10%, 50Hz mains operation Complete in all respects, except a measuring CRO

List of Experiments:

- Study of manual stepping through push button switch - A 360° calibrated dial is used for the measurement of step angle Study of speed and direction control logic by recording the pulse sequence for both clockwise and counter clockwise motions
- Study of resonance effect at various speeds - it provides an idea of the dynamic behavior of the motors Display and measurement of the dynamic characteristics of the motor on the CRO while the motor is given a to- and-fro motion in the wobble mode.
- Programming the microprocessor kit to implement various features like direction, speed, prescribed angle of rotation, prescribed number of steps or an arbitrary motion Application software is included for demonstration and also for use as a set of subroutines

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



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