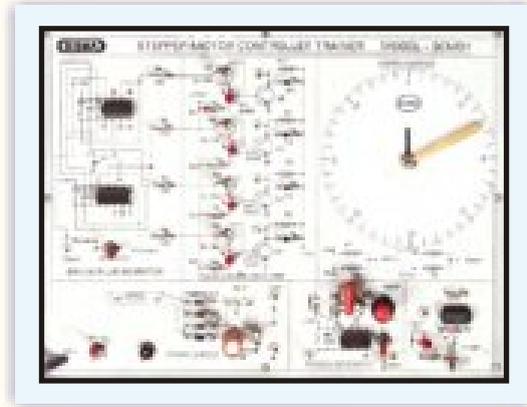




STEPPER MOTOR CONTROLLER TRAINER

MODEL - SCM01A

This trainer has been designed with a view to provide practical and experimental knowledge of Stepper Motor Controller.



SPECIFICATIONS

Motor	:	Bi - directional with permanent magnet rotor & bifilar wound stator.
Motor Characteristics	:	Self starting, low moment of inertia, instantaneous start, stop and Reversal of rotation.
Rotation	:	200 Steps / revolution.
Torque	:	10 kg cm ²
Stepping Angle	:	1.8 deg.
Protection	:	Against forcible stalling.
Operating Voltage	:	12V DC.
Mounting	:	Motor mounted in a metal cabinet with a calibrated dial and pointer.
Connector	:	Special connector with wires to connect motor unit to translator unit.
Translator	:	Versatile solid state electronic switching circuit for conversion of input pulses.
Output	:	Required pulse pattern for driving the stepper motor using digital circuitry, analog Demultiplexer & power amplifier.
Type of Control	:	(1) Number of steps; (2) Speed of revolution; (3) Direction of rotation.

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

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