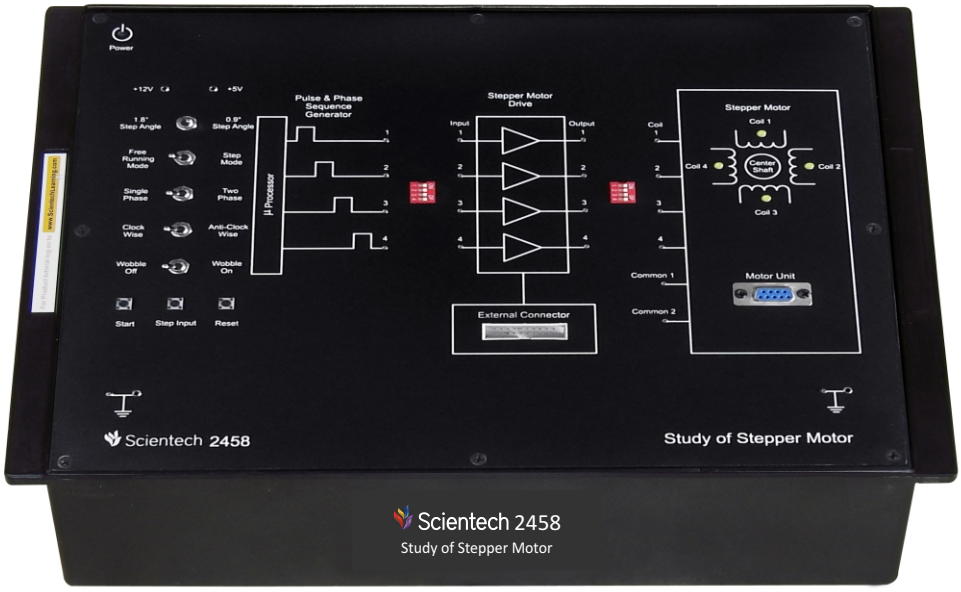
Study of Stepper Motor

Scientech 2458



Scientech 2458 Study of Stepper Motor explains students the operation and control of Stepper Motor effectively. It helps the student in understanding half and full step angle of Stepper Motor. The LED's provides the visual indication of the coil excitation process. It has a provision for connecting the motor with an external controller. Stepper Motor are widely used for application such as Conveyor system, Robotics, Printing machine, Solar tracking system ,Elevator load etc.

Features

- Different modes of operation
- Half and Full step angle
- Visual indication of the coil excitation
- External connector for programming with different controllers
- Separate unit for Motor in a see through cabinet.
- Easy to operate

Scope of Learning

Study and use of Stepper Motor in:

- Wobble Mode
- Full Step, Single Phase, Free Running Mode
- Full Step, Single Phase, Step Running Mode
- Full Step, Two Phase, Free Running Mode
- Full Step, Two Phase, Step Running Mode
- Half Step, Free Running Mode
- Half Step, Step Running Mode

Technical Specifications

Stepper Motor

Motor Type	:	Unipolar
Torque	:	6 Kg-cm
Phase Current	:	0.8 Amp.
Stepping Angle	:	$1.8^0/0.9^0$
Operating Voltage	:	12 V DC
Input Pulse	**:**	5V TTL Compatible
Test Points	**:**	20
Cabinet for Motor		
Dimension	:	L165 X B140XH145
Weight	:	500gms (approximately)
Power Supply	**:**	110 / 230V ± 10%, 50/60Hz
Dimension (mm)	**:**	W326 X D252 X H52
Operating Conditions	:	$0\text{-}40^0$ C, 80% RH
Weight	**:**	1.5 Kgs. (approximately) including Motor
Included Accessories	:	Mains cord, DB 9 Serial Cable Cabinet for motor assembly-1no.(each)

Subject to Change

Designed and Manufactured in India by -

Scientech Technologies Pvt. Ltd.

94, Electronic Complex, Pardesipura, Indore-452010, India.

© +91-731-4211100, ✉ info@scientech.bz, www.ScientechWorld.com, Helpline : +91 9893270301