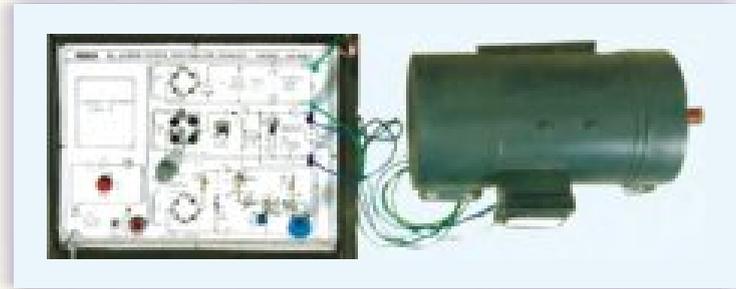




THYRISTOR DRIVE TRAINER (1HP WITH TACHOGENERATOR)

MODEL-SCM02T

This trainer has been designed with a view to provide practical and experimental knowledge of Thyristor Drive 1HP with Tachogenerator



FEATURES

- * Terminals are connected as per installation chart.
- * Fuse is intact in the fuse carrier and is rated correctly.
- * Easy variation of speed control through speed controller showing Analogue variation of armature voltage and corresponding RPM Of motor on a digital RPM meter.
- * Reverse and forward direction switch.
- * Field failure protection.
- * Current limiter.

SPECIFICATIONS

(A) Drive Section:-

1. Main input voltage : 230V AC \pm 1% 50Hz.
2. Motor HP rating : 1 HP 4Amp.
3. Drive rating : More than motor rating.

(B) Techo Generator:-

1. Output voltage : 1 Volts AC / 100 rpm (20V)
2. Linearity : with in \pm 0.5%
3. Output Frequency : 66.66 Hz at 1000 rpm
4. Output current : 20mA max.
5. Internal Resistance : 45 ohms.
6. Shaft : 8mm dia 30mm length.
7. AC tacho generator flexibly coupled to D.C. motor with digital RPM meter suitable for operation up to 1500 rpm.

(C) Digital RPM Meter:- (Panel Type)-DIN Size

1. Range : 0-2000 rpm.
2. Display : 4 digital seven segment display.
3. Resolution : 1V per 100 RPM.
4. Gating Time : 1 second.
5. Operating voltage : 230V AC \pm 10% of 50Hz.
6. Din Size : 96x96mm.

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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