



OMEGA TYPE ICT-919 is designed to study Two phase A.C. servomotor which very important electromechanical actuators having applications in the area of control systems. The study of its operating principle and features from a part of the first course on automatic control systems in electrical engineering curriculum. It's small size, low inertia and almost noise and frictionless operation makes the A.C. servomotor particularly attractive in aircraft and spacecraft applications.

OBJECTS:

- 01 Determination of Generator Constant.
- 02 Determination of motor parameter.
- 03 Determination of Transient response.

FEATURES:

- 01 Two phase A.C. servomotor -24V / 50Hz per phase.
- 02 Small generator for loading.
- 03 4-digit speed display in RPM.

- 04 4-digit time constant display in m Sec.
- 05 3½ digit AC voltmeter 0 - 200V.
- 06 3½ digit DC voltmeter 0 - 20V.
- 07 Voltage regulated internal supplies.
- 08 Built - In DC Power supply
- 09 Functional blocks indicated on board mimics.

SPECIFICATION:

- 01 Power supply : 230V + 5%, 50Hz
- 02 Inter connections : 4mm banana sockets.
- 03 Power consumption : 40VA (approximately)
- 04 Dimension : W415 X H165 X D315
- 05 Weight : 5Kg (Approximately)
- 06 Operating conditions: 0-40°C, 85%RH

LIST OF ACCESSORIES:

- 01 Patch cord 4mm length 50cm red & Black04

OTHER APPARATUS REQUIRED

- 01 Digital Multimeter OMEGA TYPE DMM-201.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

OMEGA ELECTRONICS