VIJAYANTA
VIJAI ELECTRONICS
28/147, CIVIL LINES
ROORKEE - 247667

TRANSPACIFIC CERTIFICATIONS LTD
TCL
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ISO 9001:2000
Quality Management System
Cert. No. 1088

AC POSITION CONTROL SYSTEM

MODEL – ACP – 136.

Features and Specifications

- Compact system - no mechanical hassles Simplified operation
- Digital storage of transient response (step mode)
- Two precision servo - potentiometers full 3600 rotation
- Calibrated dials for command and output position with 10 resolution
- Motor controller circuit (transistorized)
- 110 volt two phase AC servo motor
- Built in digital waveform capture / display card for study dynamics
- IC regulated dc power supplies for circuitry
- Housed in rigid MS powder coated cabinate with moulded frame
- Isolated supplies for motor, control circuit and card.
- 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 provided. A good quality measuring CRO is the only accessory that would be required.

- Built in waveform capture / display card for study dynamics in step mode
- IC regulated dc power supplies for circuitry
- Dimension : 410x215x140mm main unit approx)
  : 215x160x130mm motor unit (approx.)
- Weight : 3.5 kg main unit (approx.)
  : 2 kg motor unit (approx.)

List of Experiments

- Operation of the position control system for different values of the forward gain to angular position commands(effect of forward path gain in steady state error)
- Step response studies for various values of forward gain(to analyze the transient)