

**Product Name :**  
Transfer Function of AC Servo Motor

**Product Code :**  
NLAB-TECHNICALAB16004



**Description :**

Transfer Function of AC Servo Motor

**Technical Specification :**

One no. of 1 $\phi$ , SCR phase control provided to vary 0-100V AC for control unit.  
One no. of phase shift transformer provided for 90 $^\circ$  phase shifting of main wire voltage.  
Fuse provided for CW over current protection.  
Illuminated power on/off switch provided for CW & MW voltage input.  
One no. of digital ammeter provided for control winding current measurement.  
One no. of digital voltmeter provided for control winding voltage measurement.  
One no. of digital MC based digital LCD speed indicator for motor speed measurement.  
3 phase input, all are mounted on a nice cabinet.

Main winding voltage 230V AC  
Control winding voltage 0-100V AC (90 $^\circ$  phase shift)  
Optical speed sensor for speed measurement  
Belt type mechanical loading arrangement  
Speed (0-1500 rpm)

To determine the motor constant K1.  
To determine the motor constant K2.

Kit Working voltage: (220-240)VAC  
Input Voltage: 100V AC

Input Frequency: 50Hz  
Output Voltage: 0 TO 100V DC  
Output Current: 1Amps

## Naugralabequipments

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