## Synchro Transmitter And Receiver Pair



Product Categories: Control Lab, Control Lab, Electronics, Engineering

**Equipment** 

**Product Page:** 

https://www.labappara.com/product/synchro-transmitter-and-receiver-pair/

## **Product Description**

Synchro Transmitter And Receiver Pair

A Synchro Transmitter Receiver Trainer is an electromagnetic transducer commonly used to convert an angular position of a shaft into an electric signal. It is usually called a synchro transmitter. Its construction is similar to that of a three phase alternator. The stator (stationary member) is of laminated silicon steel and is slotted to accommodate a balanced three phase winding which is usually of concentric coil type (three identical coils are placed in the stator with their axis 120 degrees apart) and is Y connected. The rotor is a dumb bell construction and wound with a concentric coil. The system set up is made up of synchro transmitter and synchro receiver on a single rigid base provided with suitable switches and anodised angular plates. The system also contains a step down transformer for providing excitation to the rotors. Suitable test points for rotor (R1 and R2) and stator (S1, S2 and S3) for both Tx and Rx are provided.

## **Technical Specifications:**

Study of input/output angular displacement.

Pointers on transmitter and receiver.

Rotor R1, R2 & R3 Stator S1, S2 & S3 on panel.

Built in isolated power supply.

220V  $\pm 10\%$ , 50Hz mains operated.

Attenuated output for signal observation on CRO.

User's Manual with patch cords.