

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.