

1PHASE- PHASE SHIFTER

Technical Specification:

Type	: Continuously Variable Type
Model No.	: SR-PS-250-1P
Input	: 415V AC \pm 10%, 50Hz, 3P 4W or 3P 3W
Capacity	: 100VA in total.
Application	: Phase Shifted Voltage is used to test the Synchronizing Relays, Synchronizer.
Salient Feature	: 1. Variable 1P Output Voltage (0 – 250V AC). 2. Variable Phase Angle (0° - 360°)with reference to R-Phase of supply Voltage. 3. Voltage Selection (110V AC / 220VAC(P-N) with Off)

Voltage Output:

Voltage Range	: 0 – 250V AC per Phase (P-N)
Range Selection	: 110V / 220V / Off
110V Range	: 0 – 125V AC
220V Range	: 0 – 250V AC
Burden	: 100VA per phase
Volt Adjustment	: By a manual Variac

Phase Angle : 2 Nos. of Selector Switches is provided to change Phase Angle as follows.

1. **Coarse Selection(A,B,C,D,E,F)** : Using this Switch, Phase Angle ranges A = 0° - 60° , Y = 60° - 120° , C = 120° - 180° , D = 180° - 240° , E = 240° - 300° , F = 300° - 360° are selectable.
2. **Fine Selection(X,Y)** : Using this Switch, Phase Angles will be selected in 4 ranges within the range selected by **Coarse Selection** Switch. For example, if A = 0° - 60° is selected by Coarse Selection, by **Fine Selection** X = 0° - 30° , Y = 30° - 60° ranges will be selected.

Phase Angle will be continuously adjustable by a Manual Variac for 30° in the range selected by **Fine Selector** switch.

Phase Angle Selection Table:

Fine	X	Y
Coarse		
A = 0° - 60°	0° - 30°	0° - 60°
B = 60° - 120°	60° - 90°	90° - 120°
C = 120° - 180°	120° - 150°	150° - 180°
D = 180° - 240°	180° - 210°	210° - 240°
E = 240° - 300°	240° - 270°	270° - 300°
A = 300° - 360°	300° - 330°	330° - 360°

Protection : Glass Fuse is provided for Input Power, Voltage Output.

Meter : 1 No. Multi Function Meter is provided for the indications of Voltage and Phase Angle.

Input Cable : Suitable 3 Core (2mts) input power cable of suitable size will be provided.

Output Cable : Not in our scope of supply.

Enclosure : Two types of enclosures will be provided.

1. Table Top Model
2. Portable Type (Box Type)

Customer should mention the type while ordering.

Test Certificate : In-house Test Certificate will be provided along with Kit.

Guarantee : Guarantee Certificate for 12 Months from the date of Supply will be provided along with Kit.

Manual : Detailed instruction manual will be supplied along with Kit.

Spares : One set of spare fuses will be supplied along with Kit.