

## **Model HLS-110A SYNC**

# Analog Synchroscope



#### **Operation Principle**

- A synchroscope indicates the synchronization point (scale center) when the frequencies and the phases at a generator side and a bus line side are matched.
- If the frequencies of both side are equal, the position at which the needle is stationary indicates the phase difference between the two.
- When the generator side (starting side) frequency is fg and the bus line side (operating side) frequency is fb, the direction of rotation of the needle is as follows:

When fg=fb The needle is stopped When fg>fb The needle rotates in the FAST direction When fg<fb The needle rotates in the SLOW direction

#### **Features**

- Input voltage: 120V AC or 240V AC.
- Standard 4.5 inch switchboard.
- Front panel mount
- 360° indication.
- Plastic case.
- UL # E486912

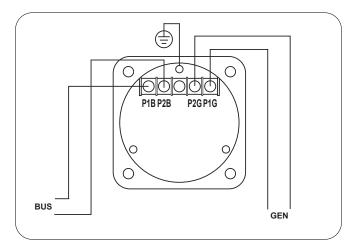
**Specifications** 

Nominal Input Voltage: 120V AC | 240V AC

Frequency Range: 50Hz or 60Hz Scale: SLOW / FAST Indication: Moring pointer

Angle of rotation: 360°

### Wiring Diagram



#### **Dimensions**

