



ANSI Switchboard Meters

360° Rotary AC Synchroscope

KEY FEATURES

- 2.5 degrees accuracy
- Enhanced safety
- ANSI C39.1

APPLICATIONS

- Switchgear
- Distribution systems
- Energy management
- Process control
- Building management

APPROVALS

- c-UL UL listed file number E354483

The Crompton Instruments AC synchroscope measures and displays the frequency difference of two power sources. Monitoring the display allows the user to connect two synchronized AC power systems together. This can help prevent the potential damage caused by connecting two unsynchronized power sources.

The 4.50" meter complies with ANSI C39.1 specifications.

Accessories

The ANSI Switchboard AC Synchroscope also comes with a range of accessories to complement the product.

- Neoprene panel gasket
- Terminal cover

Product Coding System

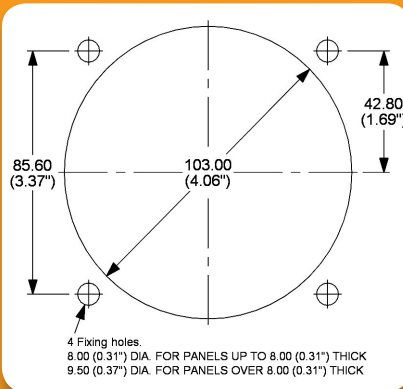
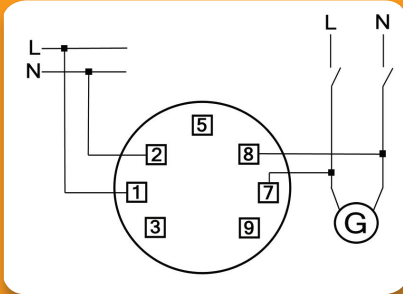
| Model | Function |
|------------------|-------------------|
| 007-145A-PRAE-C5 | 120V AC, 50 Hertz |
| 007-146A-PRAE-C6 | 120V AC, 60 Hertz |
| 007-145A-RRAE-C5 | 240V AC, 50 Hertz |
| 007-146A-RRAE-C6 | 240V AC, 60 Hertz |
| 007-145A-SBAE-C5 | 415V AC, 50 Hertz |
| 007-146A-SBAE-C6 | 415V AC, 60 Hertz |

Product Code and Ordering

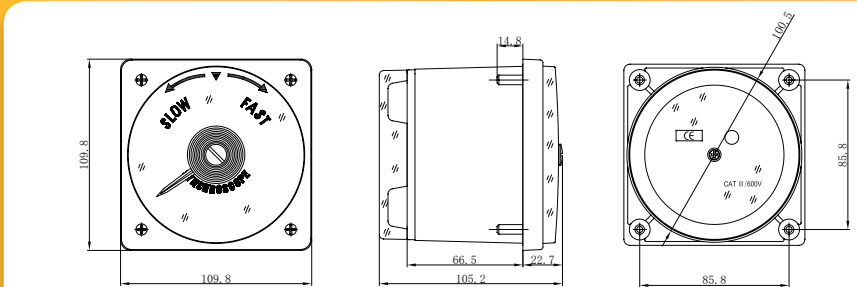
Information Example: 007-146A-PRAE-C6

Specifications

| | |
|---------------------------------------|--|
| Rating, self-contained | 120V AC |
| Frequency rating | 50 or 60 Hertz (specify) |
| Normal operating position | On vertical panel unless otherwise specified at time of order |
| Position influence | Not more than 3.6 mechanical degrees deviation for up to 60° tilt from normal operating position |
| Accuracy | 2.5 degrees |
| Overshoot | 33% maximum |
| Response time | 3 seconds maximum for 180° deflection |
| Sensitivity at synchronism | 3 electrical degrees maximum |
| Operating temperature range | 3% maximum in 5 oersted field |
| Pull in frequency | 58Hz |
| Drop out frequency | 57Hz |
| Dielectric test | Live parts to case, including panel: 2600V RMS for 1 minute |
| Between running and incoming circuits | 1500V RMS for 1 minute |
| Overload | 1.15% of rated voltage |
| Operating Temperature | -10°C - +45°C |
| Humidity | 25% - 80% |



Panel Cut Out



Product Dimensions

TE Technical Support Center

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- France: +33 (0) 1-3420-8686
- Netherlands: +31 (0) 73-6246-999
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