

Helio Strobe Beta Type 725



General Description

A very versatile general purpose mains powered Stroboscope is designed for continuous operation over a very wide frequency range.

The Beta Stroboscope is similar to the Alpha with several enhancements and key application features, including very stable digital flash frequency control, automatic range selection, internal/external triggering, phase shift facilities, bench or panel mounting option and a remote hand lamp unit with tripod or bracket mounting facility.

Key features

- Highly constant brightness
- Internal and external triggering, mains triggering
- Convenient operation
- Mains operation 115 / 230 VAC, switchable
- 60 - 24000 r.p.m.
- Automatic range switching
- Automatic switching between coarse and fine adjustment
- Adjustment memory function
- Separate hand-held lamp
- Phase shifting
- Clock output for synchronisation
- Dimmer function
- Designed for permanent operation
- Serial interface (option)

Supplied with own carry case

Technical Data

| | |
|---------------------------------------|--|
| Instrument type | HELIO-BETA |
| Power supply | 115/230VAC 50 / 60 Hz |
| Power consumption | approx. 80 W |
| Weight | approx. 2.3 kg (control unit) approx. 1.5 kg (hand-held lamp) |
| Light source | Quartz flash tube plug-in, installed in separate hand-held lamp |
| Internal control of the flash rate by | Twist knob and digital display |
| External control of the flash rate by | Oscillator, pos. impulse 5 to 30 V |
| Frequency range in Hz | 1 - 400 Hz |
| Frequency range in r.p.m. | 60-24000 r.p.m. |
| Measured value display | digital, 5-digit, 7-segment display, red, character height 13 mm |
| Display in Hz/r.p.m. | yes / yes |
| Measuring range switching | automatic |
| Measurement duration | 0.33 s (min. 1 period) |
| Resolution of the display | 0.01 Hz/1 r.p.m. |
| Phase shifting | yes |
| Display in degrees / ms | yes / yes |
| Range degrees / ms | 0° - 540° / 0 - 65 ms |
| Resolution degrees / ms | 0.1 °/0.01 ms |
| External triggering | yes Trigger flank freely adjustable with switch |
| Light output | |
| Range 1 | 0.4 Ws |
| Range 2 | 0.1 Ws |
| Range 3 | - |
| Range 4 | - |
| Light intensity at 50 cm distance | max. 650 Lux |
| Overall power | 50 W |
| Operating temperature | 0° ... +40°C |
| Storage temperature | -20° ... +85°C |
| Air humidity | 80% relative air humidity at 30°C |

| Order Codes | Description |
|-------------|-------------|
| 725 | Beta strobe |