

STROBOSCOPE

STI

Portable stroboscope that works with several TecEquipment products. It is also ideal for general-purpose laboratory use.



KEY FEATURES

- Portable, lightweight, robust unit that works with selected TecEquipment products, but is also ideal for general-purpose laboratory use
- High intensity 7-LED array: 4,800 Lux @ 6,000 FPM/30cm
- High efficiency LED solid-state light source with uniform flash characteristics allow for higher flash rates: 30-300,000 FPM (flashes per minute)
- Simple push-button operation with 2x and ÷2 buttons for easy adjustment
- Quartz-accuracy control system provides high accuracy: 0.02 % (± 1 digit)
- Variable flash frequency
- Includes a multi-line digital display of flash frequency

STROBOSCOPE

STI

DESCRIPTION

A portable digital stroboscope for general laboratory use, such as speed measurement and motion studies. It emits a white light flash from a high efficiency LED solid-state light source on the front of the unit. The rear panel holds the stroboscope controls and a liquid crystal display.

The stroboscope has two modes of operation: internal oscillator and external trigger.

The internal oscillator produces a continuous flash over two frequency ranges.

The external trigger allows another frequency generating device to control the flash rate.

In addition, the stroboscope can be used as a strobe tachometer to measure speed instead of using a laser tachometer. Using a stroboscope you can "stop" the shaft down to 30 RPM (FPM).

STANDARD FEATURES

- Supplied with comprehensive user guide
- Five-year warranty
- Made in accordance with the latest European Union directives
- ISO9001 certified manufacturer



STROBOSCOPE IN USE

OPERATING CONDITIONS

OPERATING ENVIRONMENT:

Laboratory

STORAGE TEMPERATURE RANGE:

-10 °C to +50 °C

OPERATING TEMPERATURE RANGE:

0 °C to +45 °C

OPERATING RELATIVE HUMIDITY RANGE (WITHOUT CONDENSATION):

on-condensing (<10 °C)

90 % RH (10 °C to 30 °C)

75 % RH (30 °C to 40 °C)

45 % RH (40 °C to 50 °C)

SPECIFICATIONS

NETT DIMENSIONS:

5.71 cm x 6.09 cm x 19.05 cm and 0.24 kg

FLASH RATE:

30 to 300,000 flashes per minute continuous range.

FREQUENCY SETTING:

FPM or Hz

ACCURACY:

0.02 %

RESOLUTION:

30 to 999 FPM = 0.1

1000 to 300,000 = 1

0.5 Hz to 999 Hz = 0.1

1000 Hz to 5000 Hz = 1

TRIGGER SOURCES:

Internal, external high level (3 V to 32 V) and external low level (<1 V)