

## Digital Stroboscope - Product Code: 241-002

### Technical Data



#### Introduction:

The is also known as a revolution calibration meter as well as a stroboscopic lamp. It emits an instantaneous intense Xenon flash which can be synchronized with the speed of a target object. This procedure permits calculation of the speed of an object that has an unknown movement speed or rotational velocity. In practice, the target object will appear to be moving slowly or stationary, however, in reality it is easily photographed using standard digital cameras. used in a wide variety of scientific and industrial applications. It features a rotating encoder to facilitate rapid frequency modulation. It incorporates a high performance microcontroller as the processing unit and it includes a specific display chip which drives the 7-segment LED to present real-time flashing frequency data. Operation is simple and convenient with complete instructions supplied.

#### Features:

This instrument has the following features:

- ✓ Superior quality glass reflector and polycarbonate front cover.
- ✓ Rapid frequency modulation.
- ✓ Automatic pattern tracing when selected to the external triggering operation mode.
- ✓ Dual frequency to double current operating frequency for coarse adjustment and half frequency current reduction.
- ✓ Fine and coarse adjustment.
- ✓ Current triggering frequency trimming.
- ✓ Automatic flash stop function, which reduces power consumption and lengthens the service life of the Xenon flash tube. **Also:** when using frequencies from .2 to 180 Hz continuous operation is permitted as the tube is protected by internal circuitry. **Note:** When using high flash rates above 180 Hz, flash cycle times should be limited to 2 minutes or less to conserve Xenon flash tube life. This helps to prevent overheating and/or burn out as the ionization rates become excessive at high frequencies (>180Hz).
- ✓ Xenon flash tubes can be easily installed in the event of a tube failure.
- ✓ Efficient internal overheating protection. Power is automatically restored once the working temperature decreases to the correct temperature.

**Technical Specifications:**

Power supply: AC220V± 5%, 1.2A Power supply: AC220V± 5%, 1.2A

2.) Power Consumption: Maximum power consumption less than 8W

3.) Triggering Frequency Scope: 0.2~300 Hz (internal & external)

**Recommended Triggering Frequency: 0.2~180 Hz**

4.) Flash tube intensity: approximately 10000 lux

5.) External Triggering signal Scope: 5~12V pulse signal

Outside dimension (L x W x Ht): 215mm x 140mm x 150mm

Net Weight 2 Kg

**Control Function Description**

Schematic Drawing of Control Panel:

