

## STROBOSCOPE

## TECHNICAL DATA



### FEATURES

- Freeze the motion and measure the speed of a rotating object, without contact
- Push button that doubles and one that divides in half the flashing and display rate with just one activation
- Coarse and Fine adjustment buttons to synchronize flash to exactly the right rate
- Duty cycles from 10 minutes to 2 hours depending on rpm range
- Exclusive one-chip micro-computer LSI circuit and crystal control time-base
- External trigger input
- RS232 serial interface

### ORDERING INFORMATION

K4030 ..... Stroboscope, 110 VAC  
K4030-NIST ..... Stroboscope & NIST  
K4030-230V ..... Stroboscope, 230 VAC  
K4030-230V-NIST ..... Stroboscope & NIST  
SW-U801-WIN ..... Data Acquisition Software  
USB-01 ..... USB Cable  
CERTIST1 ..... NIST Calibration Certificate

### SPECIFICATIONS

**Flash Range:** 10 to 10,500 rpm  
**Resolution:** 0.1 rpm: 5 to 999.9 rpm; 1 rpm: 1,000 to 9,999 rpm; 10 rpm:  $\geq 10,000$  rpm  
**Accuracy:**  $\pm(0.15\% \text{ rdg. } +0.2 \text{ rpm}) < 1,000 \text{ rpm}$ ;  
 $\pm(0.5\% \text{ rdg. } +1 \text{ rpm}): 1,000 \text{ to } 3,300 \text{ rpm}$ ;  
 $\pm 1\% \text{ f.s.}: 3,301 \text{ to } 10,500 \text{ rpm}$   
**Stability:** 1 digit within 10 min.  
**Ext. Trigger Input:** 5 to 30 Vrms, 0.083 to 175 Hz  
**Power Supply:** 110 VAC 15%, 50/60 Hz  
**Dimensions:** 8.3 x 4.8 x 4.8" (210 x 120 x 120mm)  
**Weight:** 2.2 lb. (1 kg)  
**FLASH TUBE**  
**Type:** Xenon white lamp, 6500°K  
**Flash Duration:** Approx. 60 to 1000  $\mu\text{s}$   
**Flash Energy:** 4 Watt-seconds (joules)

**Contact us at 1-877-849-2127  
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**www.reedinstruments.com**