SHIMPO INSTRUMENTS

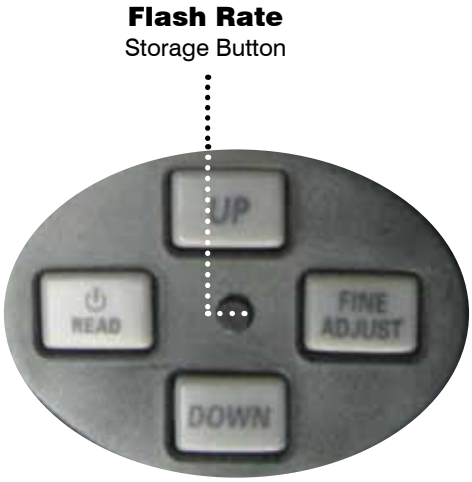
Measuring Quality

Series ST-1100 LED Stroboscope

The Shimpo Series ST-1100 is a Stroboscope with LED flash technology. This velocity analyzing and measuring device is ideal for rotational machine inspection. The stroboscope is capable of flashing the light in a synchronous frequency to the operating machinery, creating the illusion of viewing stopped or slowed images. Utilizing this phenomenon of slowing or stopping the motion with the adjusted rate of the ST-1100's flashing light, machine parts and processes may be inspected for defects. Plus, the rotational speed of the machinery and systems may be recorded for further performance analysis.

The ST-1100 is adjustable in either coarse or fine step flash-rate tuning. The backlit display shows the current flash rate, 10 user-stored pre-set flash rates, as well as a low battery warning. The backlit feature can be switched off to save battery life if desired. The ergonomic, hand held device is made of sturdy ABS plastic and comes with batteries and protective carrying case. The LED technology extends operation due to the low energy requirement of the light diodes compared with xenon stroboscopes. Typical applications for using the ST-1100 is to inspect rotors, meshing gears, vibration diagnostic equipment, textile equipment, printing production lines, power tools, belt timing, fan balancing and many more.

Easy Operation Control



READ	Power/Stored Rate Retrieval Button
UP	Flash Rate Value Increase Button
DOWN	Flash Rate Value Decrease Button
FINE ADJUST	Coarse/Fine Tuning Button
●	Flash Rate Storage Button - 10 user defined flash rates for later retrieval

CALRIGHT INSTRUMENTS
The Right Source For Your Test & Measurement Needs

8715 Mesa Point Terrace San Diego, CA 92154
Toll Free: 1.866.363.6634 Tel: 1.619.429.4545 Fax: 1.619.374.7012
Email: sales@calright.com http://www.calright.com

ST-1100 Specifications

Range	60-40,000 Flash Rate Per Minute (RPM)
Accuracy	+/-0.05% FS
Lux Rating	950 Lux @ 3000 FPM & 3.9 in (10 cm), 600 Lux @ 3000 FPM & 7.9 (20 cm), 370 Lux @ 3000 FPM & 11.8 (30 cm)
Display	5 digits with backlight
Resolution	<40,000: 1 RPM; <4000: 0.1 RPM; <400: 0.01 RPM
Rate Storage	10 stored user-defined flash rates. Factory Defaults: (RPM): 200, 400, 1000, 2000, 3000, 4000, 10000, 20000, 30000, 40000.
Power Supply	4 x 3.7V (14500) AA Lithium ion rechargeable batteries
Battery Life	Approximately 20 hrs.
Housing	ABS Plastic
Dimensions	7.7 x 2.9 x 1.5” (195 x 73 x 38 mm)
Product Weight	Approx. 7.8 oz. (220 g)
Package Weight	Approx. 2.1 lb (952 g)
Warranty	1 Year
Included Accessories	Case, 4 Lithium Batteries, Battery Charger

Ordering Details

ST-1100	Compact LED Stroboscope with Included Protective Carrying Case and Rechargable Batteries

Checking Fan Speed and Balance

ST-1100 with inclued rechargable batteries and carrying case.

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