

### Series ST-1000 LED Stroboscope Tachometer

**The Shimpo Series ST-1000 is a Stroboscope-Tachometer 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-1000'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.




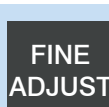
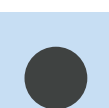
The ST-1000 is adjustable in either coarse or fine step flash-rate tuning. The backlit display shows the current flash rate, 10 user-stored pre-set flash rates, as well as a low battery warning. The backlit feature can be switched off to save battery life if desired. The ergonomic, hand held device is 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-1000 is to inspect rotors, meshing gears, vibration diagnostic equipment, textile equipment, printing production lines, power tools, speaker acoustical analysis, fan balancing and many more.



### Easy Operation Control



**Flash Rate Storage Button**

-  **READ** Power Switch
-  **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

## ST-1000 Specifications

<b>Range</b>	60-40,000 Flash Rate Per Minute (RPM)
<b>Accuracy</b>	+/-0.05% FS
<b>Lux Rating</b>	650 Lux @ 3000 RPM & 3.9 in (10 cm); 350 Lux @ 3000 RPM & 7.9 in (20 cm); 185 Lux @ 3000 RPM & 11.8 in (30 cm)
<b>Display</b>	5 digits with backlight 40000 maximum reading
<b>Resolution</b>	<1000 RPM: 0.1 RPM; >1000 RPM: 1 RPM
<b>Tuning</b>	<1000 RPM: Coarse=10 RPM increments; Fine= 0.1 RPM increments. >1000 RPM: Coarse=100 RPM increments; Fine= 1 RPM increments
<b>Rate Storage</b>	10 stored user-defined flash rates. Factory Defaults: 4000, 8000, 12000, 16000, 20000, 24000, 28000, 32000, 36000, 40000.
<b>Power Supply</b>	4 AA batteries
<b>Housing</b>	ABS Plastic
<b>Dimensions</b>	7.7 x 2.9 x 1.5" (195 x 73 x 38 mm)
<b>Product Weight</b>	Approx. 7 oz. (200 g)
<b>Package Weight</b>	Approx. 1.5 lb (680.4 g)
<b>Certification</b>	CE
<b>Included Accessories</b>	Protective carrying case, 4 AA batteries
<b>Warranty</b>	1 year

## Ordering Details

<b>ST-1000</b>	LED Stroboscope Tachometer with Included Protective Carrying Case
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ST-1000 Checking Fan Speed  
and Balance



ST-1000 Acoustical Speaker  
Analysis

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