

SHIMPO Handheld Stroboscopes

ST-1000 LED Stroboscope

The Shimpo 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. This creates the illusion of viewing stopped or slowed images so that 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, handheld 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 the ST-1000 are to inspect rotors, meshing gears, vibration diagnostic equipment, textile equipment, printing production lines, power tools, speaker acoustical analysis, fan balancing and many more.



ST-1000

ST-1000 Specifications	
Range	60 - 40,000 FPM (flashes per minute)
Accuracy	± 0.05% FS
Lux Rating	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)
Display	5 digit with backlight 40000 maximum reading
Resolution	< 1000 FPM: 0.1 FPM > 1000 FPM: 1 FPM
Tuning	<1000 FPM: Coarse=10 FPM increments; Fine= 0.1 FPM increments. >1000 FPM: Coarse=100 FPM increments; Fine= 1 FPM increments
Rate Storage	10 stored user-defined flash rates. Factory Defaults: 4000, 8000, 12000, 16000, 20000, 24000, 28000, 32000, 36000, 40000.
Power Supply	(4) AA alkaline batteries
Operating Temperature	32 - 104°F (0 - 40°C)
Housing	ABS plastic
Dimensions	7.7 in. L x 2.9 in. W x 1.5 in. H (195 mm x 73 mm x 38 mm)
Weight	Approx. 0.44 lb (0.2 kg)
Included Accessories	Protective carrying case, (4) AA batteries
Agency Approvals	CE

ST-1000 LED Stroboscope		
Part Number	Description	Price
ST-1000	Portable LED stroboscope, disposable battery powered, 5-digit backlit LCD display	

