



Test and Measurement Instruments C.C.

Tel: 011 683 4365

Fax: 011 583 4461

Email: t.m.i@iafrica.com

Website: www.instrumentsgroup.co.za

FLUKE®

New Fluke 820-2 LED Stroboscope



T+M

Rugged..
Compact..
Easy to use..

The Fluke 820-2 LED Stroboscope is more than just a tool to measure rotational speed of machinery without physical contact. It is also an excellent diagnostic tool for a wide variety of applications in a vast range of industries.

Even better, it's a Fluke tool, which means that it is rugged and ergonomic. It allows clear observation of machinery in motion – all cyclic motion can be slowed or stopped visually in order to note performance, observe dynamic motion, measure speed, or photograph/video the action.

The Fluke 820-2 is far superior to its competitors on every front including feature set, form factor and brand promise. The stroboscope can be used as a strobe tachometer to measure the speed instead of using a laser tachometer. In order to use the stroboscope, you will need access to visibly see the object to measure and it needs to have some marking on it to use as a reference point. A strobe tachometer is a good tool to have because you can't always get access to the machine shaft to stick a piece of reflective tape to use a laser tachometer or make contact with the moving shaft to use a contact tachometer.



Model	Users	Model-Specific Applications	Target Industries
Fluke 820-2 LED Stroboscope	<ul style="list-style-type: none"> • Frontline mechanical troubleshooting teams • Machine operators • Production and quality control groups 	<ul style="list-style-type: none"> • Rpm measurement and frequency investigation • Slip measurement • Belt driven machines – HVAC fans, pumps, etc. • Roller bearings, shafts, gear teeth or other machine components • Clutches and cogwheels • Foundations – resonance vibrations • Cable or piping wear or damage • Mixing and dosage processes 	<ul style="list-style-type: none"> • Industrial manufacturing • Pharmaceuticals • Universities • Textile Manufacturing • Food Manufacturing and processing • Automotive • Aerospace • Mining • Metal manufacturing • Oil and Gas

Ordering Information

Item Number	Description	What's Included
4550041	Fluke 820-2 LED Stroboscope	820-2 LED Stroboscope, protective case, external trigger connector

PRICE

South African Rand ex VAT

Product Elevator Pitch

The Fluke 820-2 LED Stroboscope can be used for checking the rotational speed of machinery without physical contact.

It is also an excellent diagnostic tool for both investigation and observation of potential mechanism failure in many types of machinery in a vast range of industries and in product / process research & development.

Stroboscopes are simple, easy to use tools to stop motion for measurement and diagnostic purposes. They identify running speed of rotating equipment without stopping the operation.

A stroboscope is used to stop motion for diagnostic purposes:

- Parasitic oscillations, flaws, slippage or unwanted distortions
- Measure speed of rotation or frequency of a rotating shaft, speaker, or mechanical part
- Identify part numbers or other markings

Features / Benefits – See datasheet or www.fluke.com/stroboscope for complete specifications

- High intensity 7-LED array—4,800 Lux @ 6,000 FPM/30cm
- High efficiency LED solid-state light source with uniform flash characteristics allow for higher flash rates—30-300,000 FPM (flashes per minute)
- Digital pulse width modulation for exceptionally sharp images at high speeds
- Rugged, durable design utilizes solid-state LEDs with no filaments, gases, hollow cavities, or glass—(one meter drop



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- Quartz-accuracy control system provides high accuracy—0.02 % (± 1 digit)
- Multi-line LCD display
- Check the rotating speed of machinery without physical contact or need for reflective tape
- Advance or retard flash timing for viewing gear teeth, cutting surfaces, repeats, or “drifting” equipment
- Simple push button operation with 2x and $\div 2$ buttons for easy adjustment

Adjustable Flash Duration

- For most applications standard flash duration works without adjustment.
- For high rpm or larger objects rotating with high surface speed, adjustable flash duration is needed.
- For high speed applications, objects may move during the brief period of a single flash, resulting in a blurred image. By decreasing flash duration, objects have less time to move and the image will appear sharper.

Questions You May Encounter

Question: How is the 820-2 different from other stroboscopes?

Answer: Fluke stroboscope has a rugged reliable construction, built for rough service. The 820-2 also uses High efficiency LED solid-state light source with no filaments, gases, hollow cavities, or glass, stands up to a 1 meter drop test and is backed by Fluke’s 2 year service warranty.

Question: How accurate is the Fluke stroboscope?

Answer: Fluke stroboscope has high accuracy - 0.02%.

Question: What advanced features are included with the stroboscope?

Answer: Digital pulse width modulation for sharp images at high speed. You can also advance or retard flash timing for viewing gear teeth, cutting surfaces, repeats or “drifting” images.

Question: Next to advanced features and rugged construction, why should I purchase the Fluke stroboscope?

Answer: The compact, ergonomic design and ease of use make the stroboscope a tool that you will want to take with you everywhere you go.

Fluke 820-2 LED Stroboscope						
Item Number	EAN Code	Description	Warranty	Harmonization Code	ECCN	Country of Origin
455004 1	00 95969 767705	FLUKE-820-2, LED STROBOSCOPE	2 Years	9029206000	EAR9 9	Germany

Dimensions

Fluke 820-2 LED Stroboscope

Description	Weight (kg)	Length (cm)	Width (cm)	Depth (cm)
Fluke 820-2 LED Stroboscope	0.24	19.05	6.09	5.71



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