



技术资料

# Fluke 832



## 主要特性

- Single-laser, dual-detector precision
- Simple, easy setup
- Simultaneous Live Move (horizontal & vertical)
- Soft Foot correction
- 8-Point Active Clock
- Automatic out-of-range notifications

## 产品概述: Fluke 832

### The Capabilities That Set Fluke 832 Apart



#### Faster setup, fewer steps

Faster setup, fewer steps Fluke 832 uses a single-laser, dual-detector system that makes shaft alignment quicker on standard rotating machines.

- Skip the pre-alignment and go straight to measurement
- Mount one laser and one sensor to start aligning
- Get precise results in fewer moves and less time



## Real-time guidance you can trust

Live feedback helps you adjust the machine confidently during every shaft alignment, finishing each job faster and more accurately.

- Monitor corrections simultaneously on both vertical and horizontal planes
- Receive automatic out-of-range notifications
- Verify results instantly with Quality Factor and Standard Deviation



## Versatile measurement options

Whether rotation is full or limited, Fluke 832 adapts to the job without compromising accuracy.

- Choose between Continuous Sweep or 8-Point Active Clock
- Use static machine or multiple foot positions, depending on setup
- Measure reliably even with uncoupled shafts



### Built-in workflows for tricky alignments

Address common field complications without switching systems or losing time.

- Identify and correct Soft Foot before starting alignment
- Reliable operation even on complex base conditions



### Smarter reports, clearer ROI

Track, document, and share alignment results that the whole team can use.

- Generate clear, customized alignment reports
- Automatically log asset-specific IDs and measurements
- Unlock the Built-in ROI calculator feature to see long-term savings
- Email results quickly via built-in templates



# 产品规格: Fluke 832

## Fluke Shaft Alignment Tablet

General specifications		
CPU	Processor:	Octa-Core (8): 2.2 GHz (2) and 1.8 GHz (6)
	Memory:	4 GB LPDDR4X SDRAM/64 GB UFS Flash
Display	Technology:	Corning® Gorilla® Glass
	Resolution:	600 nits, color WXGA 1280x800
	Dimensions:	8 inch/20.3 cm
Power supply	Operating time:	Up to 11 Hours
	Battery:	6100 mAh 3.87 V rechargeable Li-Ion Polymer; (23.61 Wh)
	Charging:	USB-C
Connectivity	Wifi:	IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v/w/mc/ax 2x2 MU-MIMO; Wi-Fi® certified; IPv4, IPv6 (Wi-Fi 6)
	Bluetooth:	Bluetooth v5.1 / 2.1+EDR Class 2 (Bluetooth LE)
	RFID:	Integrated RFID with read and write capabilities Docking connector (charge and data) USB-C side port (tablet charging and data only)
Environmental protection	IP 65:	Dustproof and water jets resistant
	Relative humidity:	5% to 95% non-condensing
Drop test	1.2 m (4 ft)	
Temperature range	Operation:	-20°C to 50°C (-4°F to 122°F)
	Storage:	-40°C to 70°C (-40°F to 158°F)
Dimensions	267 mm L x 171 mm H x 35 mm D 10 33/64" x 6 47/64" x 1 3/8"	
Weight	930 g/2.1 lbs	
Camera	Rear:	Image capture: 13 MP auto-focus camera with user controllable LED flash
	Front:	5MP
CE conformity	Refer to the <a href="#">CE compliance certificate</a>	
Carrying case	Dimensions	595 x 355 x 115 mm (23 1/2" x 14" x 4 1/2")

## Fluke 832 Sensor

General specifications		
Type	6-axis	2 planes (4 displacement axes and 2 angles)
Measurement	Optical range	14 x 14 mm (0.55 x 0.55 in.)
	Area	Unlimited, dynamically extendible
	Resolution	1 µm (0.04 mil); Angular 10 µRad
	Error	< 2%
	Transmitted rate	Approx. 20 Hz

4 Fluke Corporation Fluke 832 <https://www.fluke.com.cn/product/状态监测/laser-alignment/fluke-832>



Inclinometer	Resolution	0.1°
	Error	Roll +-1°; Pitch +- 3°
LED indicators	1 LED for laser adjustment, battery and charge status; 1 LED for BT communication	
Power supply	Battery	Lithium-Ion rechargeable battery 3.7 V, 4.7 Wh
	Operating time	30 hours (continuous use)
	Charging time	2.5 h for up to 80%; 4 h for up to 100%
	Charging	USB-C
External interface	Integrated low power 2.4 GHz Radio (BT LE); USB 2.0 Full Speed	
Radio transmission distance	Up to 50 m (160 ft) direct line of sight	
Environmental protection	IP 65	Dustproof and water jets resistant, shockproof
	Relative humidity	10% to 90%
Ambient light protection	Optical and active electronic digital compensation	
Temperature range	Operation	-10°C to 50°C (14°F to 122°F)
	Charging	0°C to 35°C (32°F to 95°F)
	Storage	-20°C to 50°C (-4°F to 122°F)
Dimensions	Approx. 104 x 72 x 54 mm (4 1/8" x 2 13/16" x 2 1/8")	
Weight	Approx. 231 g (8.2 oz)	
CE conformity	Refer to the <a href="#">CE compliance certificate</a>	

## Fluke 832 Laser

General specifications		
Type	Semiconductor laser diode	
Laser	Power	< 1 mW
	Divergence	0.3 mrad
	Wavelength	630-640 nm (red, visible)
	Separation distance	Up to 10 m
	Adjustment	No
	Safety class	Class 2 according to IEC 60825-1:2014 Complies with 21 CFR 1040.10 and 1040.11 except for conformance with IEC 60825-1 Ed. 3., as described in Laser Notice No. 56, dated May 8, 2019. Safety precaution: Do not look into laser beam
Inclinometer	Resolution	0.1°
	Error	Roll +-1°
LED indicators	1 LED for battery and charge status	



Power supply	Battery	Lithium-Ion rechargeable battery 3.7 V, 4.7 Wh
	Operating time	40 hours (continuous use)
	Charging time	2.5 h for up to 80%; 4 h for up to 100%
	Charging	USB-C
Environmental protection	IP 65	Dustproof and water jets resistant, shockproof
	Relative humidity	10% to 90%
Temperature range	Operation	-10°C to 50°C (14°F to 122°F)
	Charging	0°C to 35°C (32°F to 95°F)
	Storage	-20°C to 50°C (-4°F to 122°F)
Dimensions	Approx. 101 x 75 x 37 mm (4" x 2 15/16" x 1 7/16" )	
Weight	Approx. 190 g (6.7 oz)	
CE conformity	Refer to the <a href="#">CE compliance certificate</a>	



Fluke. 让您的工作畅通无阻。

福禄克测试仪器（上海）有限公司 电话：400-810-3435 ©2026 福禄克公司  
05/2026

北京福禄克世禄仪器维修和服务有限公司 电  
话：400-615-1563

未经许可，本文档禁止修改

福禄克测试仪器（上海）有限公司上海维修中心 电  
话：021-54402301, 021-54401908分机269

福禄克测试仪器（上海）有限公司深圳第一特约维修点  
电话：0755-86337229