FLUKE

Condition Monitoring and Alignment

Technical data

VIBSCANNER™ 2

The next-gen high-speed vibration data collector

Boost efficiency and data quality with the VIBSCANNER 2

VIBSCANNER 2 is the ultimate tool for fast and accurate machine vibration measurements. This high-speed data collector heightens efficiency and data quality, and, in just a quarter of the time of a standard tool, precisely measures available data in three axes. Equipped with a triaxial sensor, VIBSCANNER 2 requires only one measurement point. Then, with just the click of a button, it begins collecting machine data.

Even untrained personnel can effectively use this tool to collect machine data. The RFID technology inside VIBSCANNER 2, plus RFID hangtags on the assets, makes it easy to find the right measurement point. It displays on the system's bright touchscreen. An intuitively guided user interface helps users avoid becoming the cause of measurement errors. With just a single button to activate and obtain measurements, handling is smart and secure.

You can utilize the integrated stroboscope to determine the exact rotation speed of your asset.





Key benefits of the VIBSCANNER 2

- **Quick, accurate measurements**
  This system delivers measurements up to four times faster than the industry standard.
- **Easy to use**
  Users get a highly intuitive user interface with a simple push of a button to collect machine data.
- **Speedfinder**
  You can always save the exact rotation speed from variable speed machines with your vibration data.

Tips for increasing machine life

In a nutshell, machine vibration out of tolerances means a reduced machine lifecycle. To help extend asset health, heed these tips while using the VIBSCANNER 2:

- Measure machine vibration regularly to review the health of your assets.
- Adapt a maintenance schedule to the unique needs of the asset and avoid unnecessary costs.
- Spend less on spare parts and reduce unexpected downtime.
- Extend the life of parts such as bearings, couplings, sealings, etc.
- Save on labor costs and increase worker safety with fewer work orders.

The "Triax-Effect"
VIBSCANNER™ 2 minimizes the problem of finding the right measurement points on a machine. With the Fluke Triaxial Sensor, just one measurement point is required instead of three different ones. This Triax-Effect enables the VIBSCANNER 2 to save up to four times the amount of measurement time compared to industry-standard tools while increasing data quality.

Speed: the root cause of all fault patterns

A unique speedfinder tool is an exclusive feature of the VIBSCANNER 2 (and VIBSCANNER 2 EX). This tool directly evaluates the exact rotational speed of any machine from the raw measurement data. The rotational speed is crucial to determining fault patterns, particularly when operating on assets with variable rotational speeds. With the speedfinder tool, no additional measurements are necessary. Time is saved on site, and the vibration analysis specialist has all available data in a single set.



Stay on track with RFID

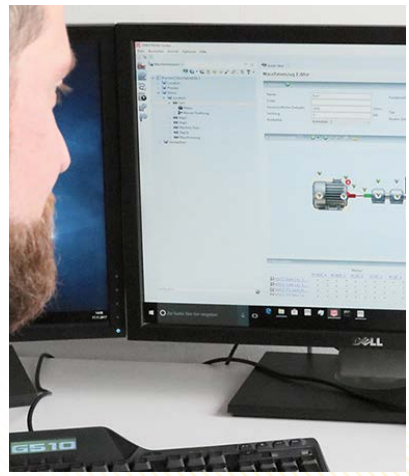
After installing the on-site route on the handheld computer, RFID tags on the assets will help tool users quickly locate the right machine and its predefined measurement points. All information from the RFID hangtag is displayed on the screen. Just deploy the triaxial sensor in the right direction, as illustrated on the sensor housing, and push the button to begin collecting machine data.



Let the experts do the rest

Once the on-site route is finished, all machine data easily can be transferred from the handheld device to a PC via USB connection. However, machine data analysis is a job best suited for experts only. Fluke not only trains these specialists worldwide but also offers services to read and analyze machine data and provide advice on how to proceed regarding specific issues. Fluke provides global machine vibration experience by using the knowledge and know-how of its ISO CAT I-IV specialists.

Here's how to keep it simple: You measure and have Fluke evaluate your data.



VIBSCANNER™ 2

General specifications	
Measurement Channels	
Number	3 synchronous analog channels (X/Y/Z)
Z channel (0 ... 50 kHz)	-20 .. +20 V, input impedance: 78 kOhm IEPE Current Linedrive
X/Y channel (0 ... 10 kHz)	-20 .. +20 V, input impedance: 78 kOhm IEPE
Dynamic range	109.5 dB (total)
Sampling rate	up to 131 kHz per channel
Signal processing	3 x 24 bit ADCs
Measuring range / accuracy	Vibration acceleration: dependent on used sensor Shock pulse: -10 dBsv to 80 dBsv +/- 2 dBsv
Fulfilled standard	DIN ISO 2954:2012 (2-1 kHz, 10 Hz -1 kHz, 10-10 KHz)
Display	
Type	Capacitive touchscreen Optically bonded for high contrast and increased shock resistance
Active area	95 x 54 mm (3 3/4” x 2 1/8”)
Size	10.9 cm (4 1/3“)
Color depth	16 million colors
Viewing angle	< 140°
Operation	Multi touch – gesture control Glove-compatible
Illumination	Background lighting, adjustable
Ambient light sensor	Yes
Supply	
Type	Li-ion rechargeable battery
Nominal voltage	7.2 V (EX device: 7.3V)
Energy density	72 Wh (EX device: 50 Wh)
Charge time, typical	5.0 h (0 ... 100 % @ 25 °C / 77 °F); Ex device: 3.5 h 3.5 h (0 ... 80 % @ 25 °C / 77 °F); Ex device: 2.5 h
Charging temperature	10 °C ... 40 °C [50 °F ... 104 °F]
Operating time, typical	12 h (cont. operation, rech. battery 100 %); Ex device: 10h 6 h (cont. operation, rech. battery 50 %); Ex device: 5h
Power adapter	100-240 V~, 50-60 Hz (input) 12 V 3 A (output)
Energy saving mode	Yes

General specifications	
Computer	
Processor	ARM A9 – Quadcore 1 GHz
Operating elements	Touchscreen, ON/OFF key, Enter key
Memory	microSD card, 32 GB for measurement data, permanently installed 2 GB RAM
USB	1 x USB 2.0, device interface
RFID	RFID reader module for PRÜFTECHNIK transponder – ALI 50.628-25; EX device: ALI 50.628 EX0-25 Complies with ISO 14443a and ISO 15693 Reading distance: 2 ... 3 cm (13/16” ... 1 3/16”)
WiFi	IEEE 802.11a/b/g/n/ac Throughput: < 200 Mbps Security: WPA2
Stroboscope	Frequency range: 0.1 – 1000 Hz Resolution: 0.06 1/min. LEDs: Risk group 1 per IEC 62471
LED	1x RGB LED (display for battery status and charging process)
Environment / mechanical system	
Connections	Socket for power adapter Micro USB for data cable Plug-in connector (8-pole) for signal cable
Housing, non-EX device	2-component housing: PC and ABS Sheath: TPE, black
Housing, EX device	Housing: PC Sheath: TPE, black, antistatic, conductive
Dimensions	203 x 143 x 76mm (LxWxH) (8 x 5 5/8 x 3”)
Weight	Approx. 1.0 kg (35.3 oz)
Degree of protection	IP55
Temperature range	Operation: -10 °C ... +50 °C [14 °F ...122 °F]; EX device operation: 0°C ... +50°C [32 °F ...122 °F] Storage: -20 °C ... +60 °C [-4 °F ... +140 °F]
Air humidity	0 ... 90 %, non-condensing
Certifications	CE, RoHS, FCC, FCC/IC; EX device: CE, RoHS, FCC, FCC/IC, ATEX, IECEx, NEC 500/505, CEC Annex J18, CEC sect. 18



Fluke. Keeping your world up and running.™

FLUKE
Condition Monitoring and Alignment

Fluke.com

©2026 Fluke Corporation.
Specifications subject to change without notice.
260507-en

Modification of this document is not permitted
without written permission from Fluke Corporation.