

TECHNICAL DATA

Fluke 3561 FC Vibration Sensor and Fluke 3502 FC Gateway



FLUKE CONNECT COMPATIBLE

Use with Fluke Connect Condition Monitoring software and flexible cloud accessibility.

CONDITION MONITORING

Strengthen your maintenance program with real-time condition monitoring of your equipment.

REMOTE MONITORING

View real-time equipment measurements via the internet.

IMPROVED UPTIME

Fast and cost-effective setup and maintenance, reduced maintenance costs.

Remotely monitor the health of your equipment with the 3561 FC Vibration Sensor. Visualize real-time vibration measurements through Fluke Connect Condition Monitoring software.

Measuring vibration provides a warning for upcoming equipment faults so you can investigate imbalance, misalignment, looseness, and late-stage bearing wear.

This vibration monitoring system requires a 3561 FC Vibration Sensor, a 3502 gateway, and a Fluke Connect Condition Monitoring software license.

Easy installation

Even in tight or inaccessible locations, you can set up and start monitoring vibration measurements on an asset in under an hour.

Data trends and alarms

Identify potential equipment degradation by comparing vibration measurement trends taken over time.

Log data continuously and receive instant alarms so that you can leave your equipment but stay in touch.

Remote monitoring

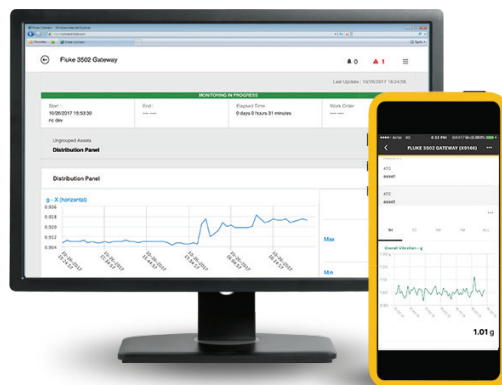
Use the Fluke Connect Condition Monitoring dashboard from your computer or handheld device for remote monitoring.

Make informed decisions on critical situations with real-time data.

Fluke Connect Condition Monitoring Software

Detect fault development by reviewing historical trends and current condition of your equipment.

Mobilize your team using work orders powered with the measurement data they need.



3561 FC Vibration Sensor

General specifications

Range	Sensitivity Range	±32 g
	Frequency Range	10 Hz to 1000 Hz
	Sampling Rate	25600 Hz
Temperature	Operating Range	-30 °C to +80 °C (-20 °F to +176 °F)
	Storage Range	-30 °C to +80 °C (-20 °F to +176 °F)
	Trending Range	Displays temperature trends between -30 °C and +80 °C (-20 °F and +176 °F)
Relative Humidity	10 % to 95 % non-condensing	
Altitude	Operating	2000 m
	Storage	12000 m
Size	(H x W) 2.42 in x 0.95 in (61.5 mm x 24 mm)	
Weight	1.4 oz (40 g)	
Power	Battery Type	3.6 V, 2400 mAh Lithium
	Battery Life	3 years typical
Bluetooth	Type	Low Energy 4.1
	Range (during a session)	65 m, line-of-sight
	Frequency Range	2405 MHz to 2480 MHz
	Output Power	<10 mW
	IP Rating	IP67

3502 FC Gateway

General specifications

Temperature	Operating Range	-25 °C to +65 °C (-13 °F to +149 °F)
	Storage Range	-25 °C to +65 °C (-13 °F to +149 °F)
Relative Humidity	10 % to 95 % non-condensing	
Altitude	Operating	2000 m
	Storage	12 000 m
Size	(H x W x L) 2.26 in x 1.55 in x 1.82 in (57.3 mm x 39.3 mm x 46.1 mm)	
Weight	1.2 oz (35 g)	
Power	AC Input	100 V ac to 240 V ac, 50/60 Hz
Bluetooth	Type	Low Energy 4.1
	Frequency Range	2405 MHz to 2480 MHz
	Output Power	<10 mW
	Antenna	-3 dBm Single Antenna, Omni Directional
WiFi	Type	802.11 b/g/n
	Frequency Band	2.4 GHz ISM Band
	Frequency Range	2412 MHz to 2462 MHz
	Output Power	<100 mW
	Security	WEP/WPA/WPA2
	Antenna	0 dBm Single Antenna, Omni Directional



Ordering information

Fluke 3561 FC Vibration Sensor and Fluke 3502 FC Gateway

Purchasing options

- The Fluke 3561 FC Vibration Sensor Starter Kit includes 4 sensors, a 1 year subscription to Fluke Connect for each sensor, and a gateway.
- The Fluke 3561 FC Vibration Sensor Expansion Kit includes 4 sensors and a 1 year subscription to Fluke Connect for each sensor.



Preventive maintenance simplified. Rework eliminated.

Save time and improve the reliability of your maintenance data by wirelessly syncing measurements using the Fluke Connect system.

- Eliminate data-entry errors by saving measurements directly from the tool and associating them with the work order, report or asset record.
- Maximize uptime and make confident maintenance decisions with data you can trust and trace.
- Access baseline, historical and current measurements by asset.
- Move away from clipboards, notebooks and multiple spreadsheets with a wireless one-step measurement transfer.
- The 3561 FC Vibration Sensor is part of a growing system of connected test tools, condition monitoring and equipment maintenance software. Visit the website to learn more about the Fluke Connect system.

Find out more at **flukeconnect.com**



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Smart phone wireless service and data plan not included with purchase. Within your provider's wireless service area and subject to your plan's pricing and other terms. Fluke Connect is not available in all countries. Some Fluke Connect features require a subscription subject to payment terms and may not be available in all countries.

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Fluke Corporation
PO Box 9090, Everett, WA 98206 U.S.A.

Fluke Europe B.V.
PO Box 1186, 5602 BD
Eindhoven, The Netherlands

For more information call:
In the U.S.A. 856-810-2700
In Europe +353 507 9741
In UK +44 117 205 0408
Email: sales@accelix.com
Web access: <http://www.accelix.com>

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