

Vantyx

Powered by  Instantel®





For over 40 years, Instantel has been a global leader with best-in-class vibration, noise and air overpressure equipment for quarries, mining, construction, civil, geotechnical and other applications. Our products have contributed to the success of our customers' projects in over 85 countries and on countless sites. From specialized sensors and recording options, to remote data collection and a cloud-based data hosting solution, Instantel provides solutions that work.

We are proud of our position as an industry leader, boasting many industry firsts, but it does not stop there. We are committed to continuous improvement through innovation. We understand that our customers face challenging environments daily and need reliable data fast to ensure the success of their projects. We specialize in providing the tools that complete each project safely, quickly, and within compliance.

Our flexible product portfolio allows our customers to select the monitoring solution that best meets their needs - whether deep in the earth, above ground, or underwater.

Introducing Vantyx

A new offline event report viewer.

Vantyx is Instantel's offline event report viewer exclusively for Micromate Plus vibration monitoring devices. This desktop application complements Vision II, giving you and your stakeholders convenient access to key event information. It is ideal for remote locations and other situations where internet access is unavailable or undesired.



Purpose-Designed

Vantyx is intended for review of collected Micromate Plus event files at remote locations or on your desktop. Utilize Vantyx to prepare customized reports for stakeholders and export event data for further analysis in third-party tools.





Key Benefits

Work Offline

Access event information where internet access is unavailable or undesired.

Focus on What Matters

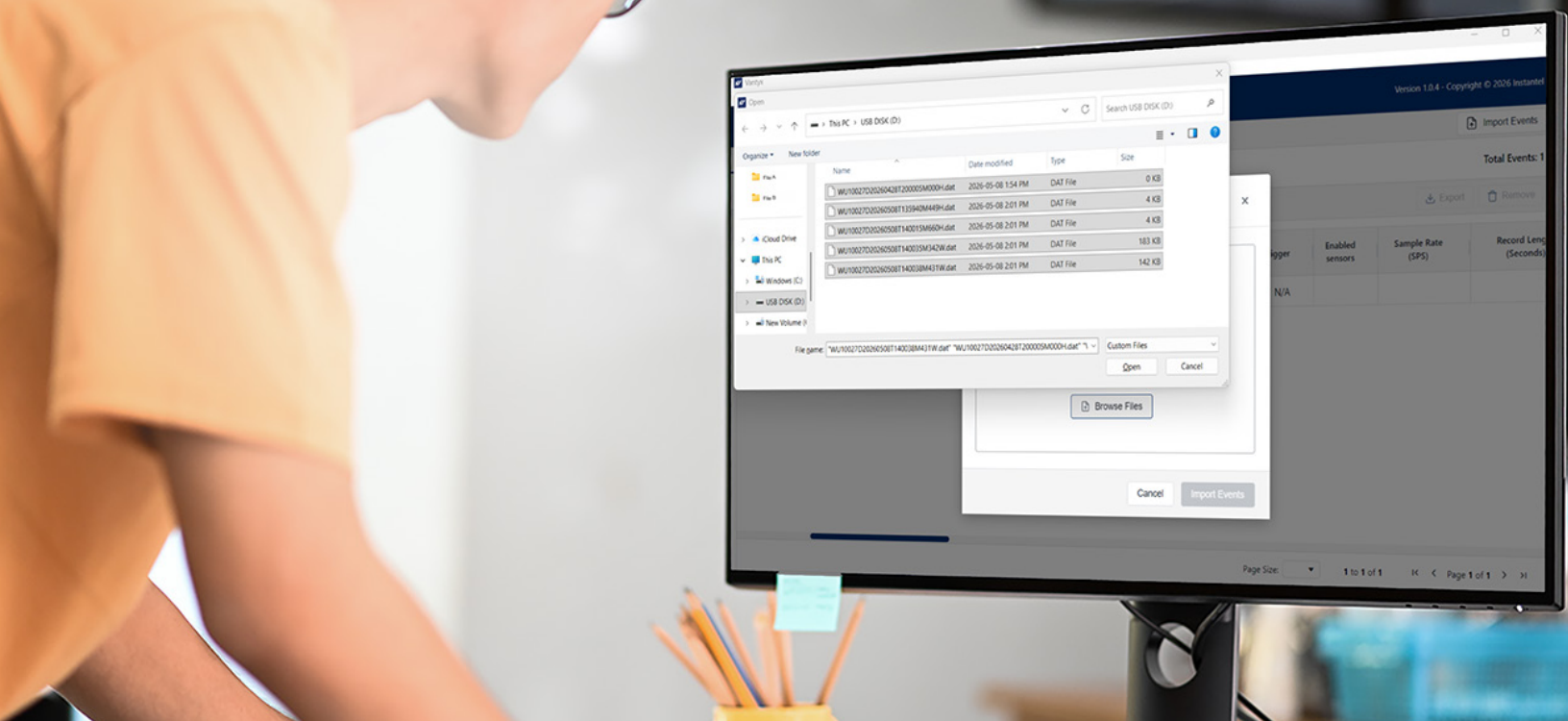
Tailor reports and table views to your workflow.

Review Events Efficiently

Check compliance indicators, then explore signals in detail.

Share Useful Information

Export reports and data for stakeholders and third-party tools.



Easily Upload Files

Download events from the Micromate Plus onto a USB-C, and then upload those files onto Vantyx for further analysis.



Features That Support Your Workflow

Customize Your Reports

Access familiar reporting options from THOR, including selectable compliance standards, Zero Crossing or FFT plots, and metric or imperial units. Choose which report sections to display, including Event Summary, GPS Location, Notes, and Ponderated Peaks.

Check Compliance at a Glance

Utilize SnapShot for a quick view indication of whether event data has exceeded the selected compliance limits. The red/green indicator labeled “Exceeded” or “Below” quickly gives you a visual for status — no need to review the numbers.

Compliance Report

Event Summary	
Waveform Trigger Source:	Vertical; May 8, 2026 at 10:00:38 AM
Trigger Level Geo:	0.3937 in/s
Trigger Level Sound Level Microphone:	81.0 dB
Trigger Level Linear Mic:	0.00 Pa
Pre-Trigger Recorded / Total:	1.0000 / 3.0938 sec
Record Time:	2.0938 sec
Sample Rate:	2048 sps
Setup File:	FactoryGeoLmSim
Operator:	N/A
Job Number:	0

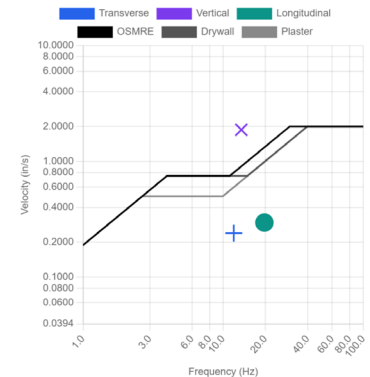
GPS Location	Latitude	Longitude
Blast Source Coordinates	45.262555	-75.764333
Sensor Coordinates (manually entered)	45.262411	-75.764133
Micromate Plus Coordinates (GPS reading)	45.262411	-75.764133
Distance		22.400 m
Scaled Distance		2.200

Geophone	Transverse	Vertical	Longitudinal
Peak Particle Velocity:	0.2399 in/s	1.8723 in/s	0.2957 in/s
Zero Crossing Frequency:	11.9 Hz	13.5 Hz	19.7 Hz
Peak Time (Relative to Trigger):	-0.8628 sec	-0.8921 sec	-0.8613 sec
Peak Date/Time:	May 8, 2026, 10:00:38 AM	May 8, 2026, 10:00:38 AM	May 8, 2026, 10:00:38 AM
Maximum Acceleration:	0.3291 g	1.5913 g	0.2247 g
Maximum Displacement:	0.0050 in	0.0116 in	0.0025 in
Sensor Check Results:	Passed	Passed	Passed
Sensor Check Mode:	Sensor-Check Before Monitoring		
Frequency:	7.0 Hz	7.0 Hz	7.0 Hz
Tilt Angle:	0°	89°	0°
Peak Vector Sum:	1.8791 in/s at 0.0000 sec		

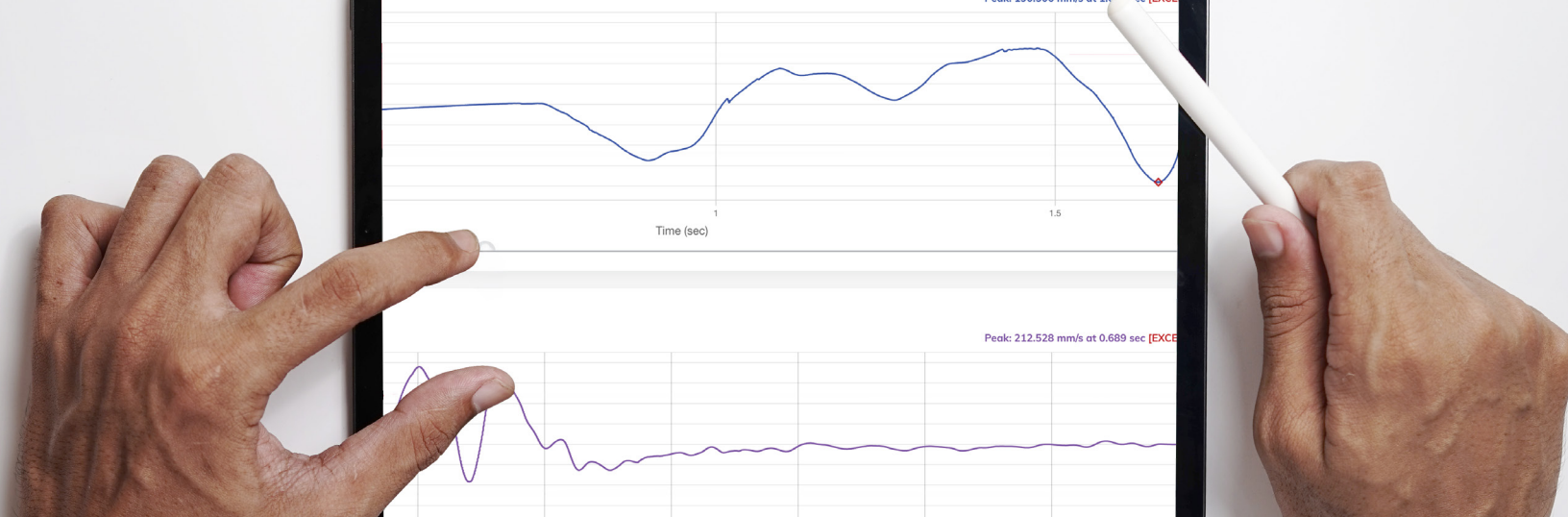
Linear Microphone	Values	Units
Peak Pressure Level:	0.58	Pa
Peak Time (Relative to Trigger):	1.5845	sec
Peak Date/Time:	May 8, 2026, 10:00:40 AM	
Zero Crossing Frequency:	102.4	Hz
Sensor Check Before Monitoring:	Passed	

Device Info	
Model:	Micromate Plus ISEE (2-250 Hz)
Firmware Version:	1.2.9
Unit Serial Number:	WU10027
Geophone Serial Number:	WG09016/0.0.1
Linear Microphone Serial Number:	WL10033/1.0.6
Sound Level Microphone Serial Number:	Not Connected
Geophone Calibration:	July 23, 2025 By INSTANTEL
Linear Microphone Calibration:	June 3, 2025 By INSTANTEL
Sound Level Microphone Calibration:	Not Connected
Event File Name:	WU10027D20260508T140038M431W.dat
Time Zone:	(UTC-05:00)America/New York
DST Enabled:	Yes

OSMRE and USBM R18507 - Velocity versus Frequency (Zero Crossing)



Channel	Symbol	ZC PPV (in/s)	ZC Freq (Hz)	Zero Crossing Compliance SnapShot
Transverse	+	0.2399	11.9	Below



Explore Event Data

Pan and zoom to examine points of interest in individual channels or across all channels together. Hover over signals to view precise readings.

Export and Share

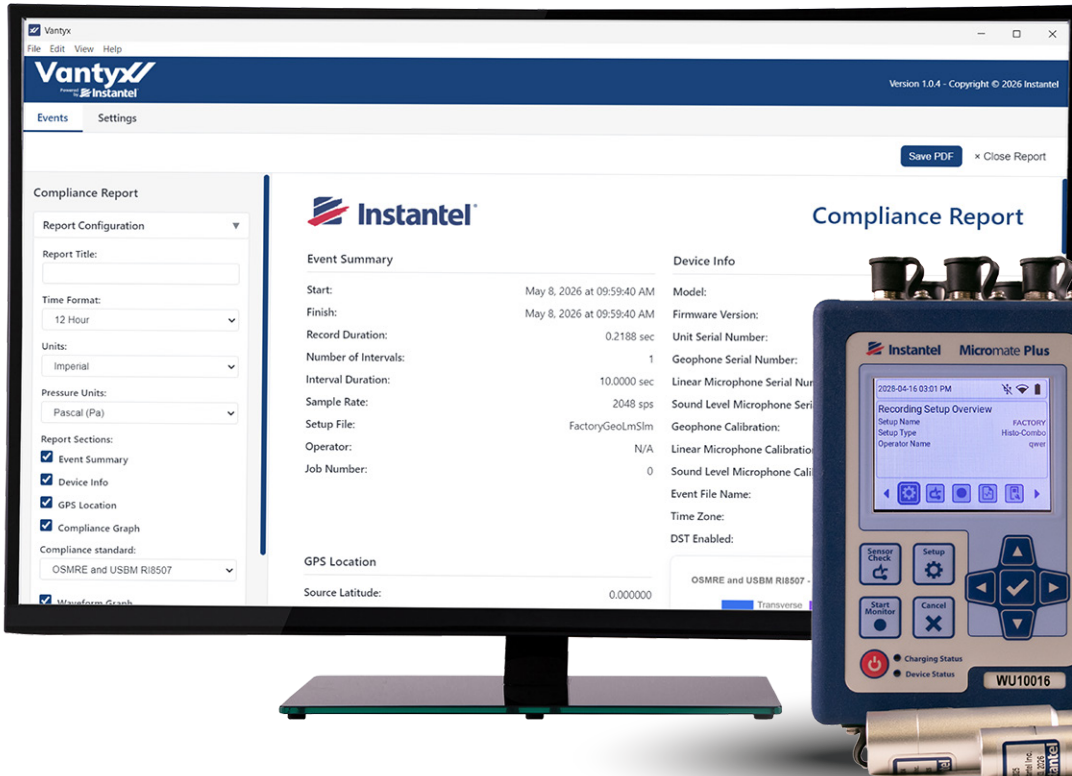
Export reports and data in PDF, JSON, or CSV format for sharing with stakeholders or importing into third-party tools, while retaining the original .DAT binary for traceability concerns.

Tailor Your Table View

Choose the data fields most relevant to your workflow, then use built-in sorting and filtering tools tailored to each field's data type.

Device Compatibility

Vantyx supports Micromate Plus devices only. It does not support legacy Instantel devices, including the Micromate and Minimate Pro series.



System Requirements

Item	Description
Operating System	Microsoft Windows 11, 64-bit (x64)
Processor	64-bit (x64) processor, dual-core 2 GHz or faster recommended
Memory	8 GB RAM recommended
Disk Space	About 500 MB for the application, plus space for your imported event files
Display	1,280 × 800 or higher resolution. The Vantyx window is at least 1,200 pixels wide.
Internet Connection	Only needed to download Vantyx and to receive updates. Not needed to view or report on events.
Permissions	A standard Windows user account. Administrator rights are needed only if you install Vantyx into a protected folder such as C:\Program Files.
Event Files	A way to copy event files from your Micromate Plus unit to the computer, such as the unit's USB connection.



Our customers matter

We take pride in the level of service that we provide to our customers. Everything we do, from product training to support to pricing and product deliveries, is with our customers in mind.

Our Services



Calibration

We calibrate above and beyond industry standards, and not just on a subset, so you can be sure your unit is working in accordance with industry guidelines and specifications.



Service

Whether your unit is sent in for upgrades, calibration, or repairs, we pride ourselves in our quality workmanship.



Support

Instantel is dedicated to providing the highest quality of service through knowledgeable and responsive technical support. Browse our website's frequently asked questions (FAQ) for fast, easy information.

Contact us for more information and pricing details.

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