SOFTWARE RELEASE OVERVIEW

vibro–meter®

VibroSight® 7.7

VibroSight
Machinery Protection &
Condition Monitoring
Software

VibroSight ® software version 7.7, released in April 2025, adds the following main benefits and features.

Benefits

- Advanced filtering for Waveform and Orbit plots
- More realistic axial position modeling
- Dual-channel reverse rotation processing
- Modbus TCP Server

Features

Advanced filtering for Waveform and Orbit plots

In VibroSight Vision, you can now apply configurable frequency filters directly to Waveform and Orbit plots via the plot properties dialog. Filters can be defined using a single frequency or a band (high-pass and/or low-pass), with units in Hz or Orders.

More realistic axial position modeling

VibroSight Capture now supports connecting multiple "Shaft axial position (collar)" processings to the same machine train collar component, thereby allowing for accurate modeling of redundant sensor configurations. The number of sensors is also visually indicated in the machine train.

Dual-channel reverse rotation processing

A new processing block for detecting reverse rotation using two tachometers is now available for VM600^{Mk2} MPC4^{Mk2} modules (standard version). This feature includes forward/reverse speed, reverse peak speed, and cumulative

Features (*continued*)

reverse rotations – with integrated dashboard reset and full configuration via VibroSight Protect and VibroSight Capture.

Modbus TCP Server

VibroSight Capture now supports the creation and configuration of Modbus TCP servers for data sharing. Users can define output registers, data types, and scaling parameters directly in the user interface, mirroring the functionality already available in VibroSight Configurator. Multiple servers can be configured if needed.

Firmware upgrades

New firmware for the following modules:

- VM600^{Mk2} MPC4^{Mk2} – standard and SIL
- VM600^{Mk2} CPUM^{Mk2}
- VM600^{Mk2}/VM600 XMx16 + XIO16T
- VibroSmart VSI010.

General improvements and bug fixes

General stability improvements and a number of bug fixes across the VibroSight software.

Further information

For more detailed information concerning these features and other improvements, refer to the *VibroSight® 7.7 software release notes.*