

SOFTWARE RELEASE OVERVIEW

vibro-meter®

VibroSight® 7.6



VibroSight

Machinery Protection &
Condition Monitoring
Software

VibroSight® software version 7.6, released in October 2024, adds the following main benefits and features.

Benefits

- Enhanced adaptive monitoring for machinery protection
- Expanded analytical capabilities for VibroSmart®
- Improved VM600^{Mk2} relay control

Features

Enhanced adaptive monitoring for machinery protection

VibroSight Protect now supports adaptive monitoring with two control variables instead of one, allowing for more precise adjustments in machines with complex operating conditions. This feature enables protection alarm limits to be adjusted based on two measurements, ensuring real-time protection logic through in-module calculations.

Expanded analytical capabilities for VibroSmart®

Several key enhancements have been added for the VibroSmart® modules:

- Shaft centerline and Full spectrum measurements for more complete machine analysis using VSV30x monitoring modules.
- Improved speed processing, with “debounce” filtering, for VSV30x monitoring modules, in order to provide more accurate and reliable speed measurements.
- Support for the PROFINET fieldbus added to the VSI010 communications interface module.

Features (continued)

Improved, more flexible relay control for VM600^{Mk2} systems

Enhanced control/integration of RLC16^{Mk2} relay modules and MPC4^{Mk2} SIL machinery protection and condition monitoring modules, using VibroSight Protect:

- RLC16^{Mk2} SIL now has logical functions.
- RLC16^{Mk2} SIL relays can now be driven via the VM600^{Mk2}/VM600 rack's Raw bus, in addition to the Open Collector bus.
- RLC16^{Mk2} SIL relays and MPC4^{Mk2} SIL relays can now be configured as normally energized (NE) or normally de-energized (NDE).
- RLC16^{Mk2} status monitoring by MPC4^{Mk2} SIL is now configurable.
- Cross-compatibility between MPC4^{Mk2} and RLC16^{Mk2} (standard and SIL versions).

Firmware upgrades

New firmware for the following modules:

- VM600^{Mk2} MPC4^{Mk2} – standard and SIL
- VM600^{Mk2} CPUR2
- VibroSmart VSV30x
- VibroSmart VSI010
- VibroSmart VSN010.

Further information

For more detailed information concerning these features and other improvements, refer to the *VibroSight® 7.6 software release notes*.