

SOFTWARE RELEASE OVERVIEW

vibro-meter®

VibroSight® 7.3



VibroSight

Machinery Protection &
Condition Monitoring
Software

VibroSight® software version 7.3, released in June 2023, adds the following main benefits and features.

Benefits

- VM600^{Mk2} SIL – for critical safety-related applications
- VM600^{Mk2} MPC4^{Mk2} magnetic flux monitoring and analysis
- VibroSight Protect improvements
- Firmware upgrades

Features

Support for VM600^{Mk2} SIL systems

VibroSight 7.3 introduces initial support for the SIL versions of the VM600^{Mk2} modules, namely:

- MPC4^{Mk2} + IOC4^{Mk2} SIL machinery protection and condition monitoring module.
- RLC16^{Mk2} SIL relay module.

These new SIL versions of the VM600^{Mk2} modules with their SIL-specific firmware have been designed and optimized for use in critical safety-related applications (functional-safety contexts), where the costs of failure are high and the highest levels of machinery protection are required.

Note: These new SIL versions of the VM600^{Mk2} modules and their SIL-specific firmware are separate and distinct to the standard versions (MPC4^{Mk2} + IOC4^{Mk2} and RLC16^{Mk2}).

Improved support for magnetic flux monitoring and analysis

VibroSight 7.3 and the VM600^{Mk2} MPC4^{Mk2} improve the monitoring of hydro machinery with the addition of support for magnetic-flux monitoring and analysis to the 'Hydro air-gap monitoring' package.

Features (*continued*)

Magnetic-flux monitoring and analysis can help determine if shorts have occurred in the windings of the rotor poles and complements air-gap monitoring to achieve a more comprehensive monitoring solution for larger hydroelectric machinery.

VibroSight Protect improvements

General improvements to VibroSight Protect:

- Display of relay information for VM600^{Mk2} RLC16^{Mk2} modules.
- Display of analog output information for VM600^{Mk2} MPC4^{Mk2} modules.
- Allows the Raw bus to be used for VM600^{Mk2}/VM600 slimline (1U) racks.
- VM600^{Mk2} MPC4^{Mk2} modules will not restart upon system activation if their configuration has not changed.
- Improved sensor configuration dialog for custom sensors.

Firmware upgrades

New firmware for VM600^{Mk2} modules:

- MPC4^{Mk2} + IOC4^{Mk2} module – standard and SIL versions.
- CPUM^{Mk2} + IOCN^{Mk2} module.

Further information

For more detailed information concerning these features and other improvements, refer to the *VibroSight® 7.3 software release notes*.