SERVICE INFORMATION LETTER
SIL-BER008

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New Software Release Announcement: PlantProtech™ 7600 PCMS & PlantProtech PROTOR Mobile

We are pleased to announce the release of our latest software upgrade for the Beran PlantProtech™ 7600 PCMS & PROTOR Mobile products. In keeping with our commitment to continuous improvement, we have made enhancements to both performance and stability. The latest version now available is:
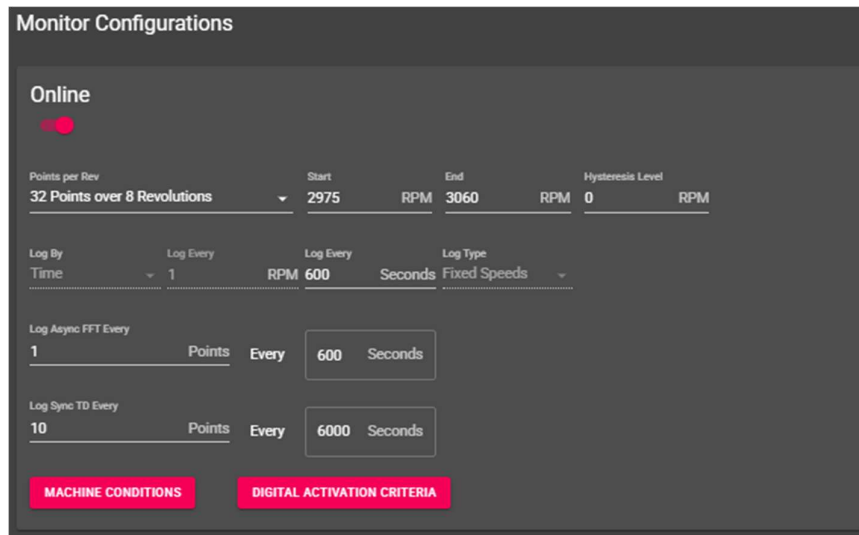
- Version 4.2.0

Please note that all product modifications, including software upgrades, must be carried out by a Beran authorised Service Centre or field engineer to maintain quality, compliance, and system integrity.

Software V4.2.0 updates:

Feature Enhancements:

Support for tagging files with Hot/Warm/Cold machine conditions

The PCMS now supports tagging data based on machine condition states. When a monitor detects a change in condition and the machine condition selection setup is evaluated, the system automatically determines whether the state is Hot, Warm, or Cold. It then tags the data in the database with the corresponding condition. Pressing the "Machine Conditions" button in the below example takes the user to the new "Machine Settings" screen, where the machine conditions are defined.

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Digital channel support on the Mimic, in 766 files via PPAAD, PPAEDI, CSV Export

Previously, digital channel data in the PCMS was only viewable within Vision. This functionality has now been extended, allowing digital data to be displayed on the Mimic screen, and included in file exports via PPAAD, PPAEDI, and CSV formats.

Trigger Health Relay On

PCMS units equipped with the Condition Monitoring Analyser Module (CMAM), Hardware Modification State 2, can now be configured to activate the health relay on the front of the CMAM when a vibration alert or alarm becomes active.

Ellipse alarm generation ease of use enhancements

It is now possible to filter options when selecting data for generating ellipse alarms to better define what source data is used for calculating the alarms setup. It is also possible to filter out data that is not suitable for generating alarms to ensure the creation of alarms does not fail.

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Support for channel sensitivities with 4 decimal places

When configuring dynamic channels, sensitivity values can now be entered with up to four decimal places. This enhancement is especially useful for accurately setting sensitivities on DC channels—for example, when working with a 0 to 1V DC input range representing a 7000 Amp signal, the sensitivity can now be entered precisely as 0.1428 mV/Amp.

Bug Fixes:

Datastore locking issue - PCMS-29237

The issue where services could freeze due to database interaction - resulting in the unit stopping data logging and failing to connect to PlantProtech Vision - has now been resolved.

Datastore export timeout issue - PCMS-31133

This fix addresses a reported issue where the datastore export tool in the admin panel would fail to export particularly large databases due to timeout errors. The issue has now been resolved, and the tool can successfully export databases of all sizes.

Measurements dropping out at speeds > 1KHz - PCMS-26665

This fix resolves an issue where, if a tacho signal exceeded 1 kHz, the system would stop producing synchronous measurements and fail to recover even when the speed returned to within the normal operating range (< 1 kHz). The system now continues to publish level data reliably, and synchronous measurements resume automatically once the speed drops back below 1 kHz.

Last Period Buffer malfunctioning - PCMS-30771

This fix resolves a bug where alarm processing could fail due to the Last Period Buffer not allocating sufficient space. The buffer now correctly allocates the required space, ensuring alarms are processed and archived successfully.

Ellipse alarms cause alarm matrix to crash - PCMS-28405

In version 4.1.1, a bug was identified where Ellipse alarms triggered an "Error fetching Alarms" message, preventing alarms from being displayed in both PlantProtech Vision and the Admin Panel. This issue has now been resolved, and Ellipse alarms are correctly shown in the alarm list.

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