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Knowledge Base Article

Product Group: Software
Product: CMSW7400 - @ptitude Analyst; CMSW7490/7491 - RDC
Version: 2013 Edition (v8.0) and 2013 Edition MR1 (v8.1)

Abstract

This knowledgebase article describes issues configuring SKF IMx Multilog On-line Systems with Self Gating limits for English POINTs.

Overview

The IMx calculates vibration data in Metric units (m/s^2, mm/s, microns). A defect in the way the IMx configuration file was constructed failed to take into account conversion factors between English units (g, in/s, mils) and their Metric equivalents when Self Gating Limits were configured. Self Gating Limits are used both in limiting when data will be stored as well as for the upper and lower scale limits of the MODBUS output configuration.

SKF @ptitude Analyst 2013 MR2 (version 8.2.1) corrects for this oversight, but in doing so, any existing Self Gating limits will need to be reviewed by the customer and adjusted as required.

Work arounds

Users who are currently running SKF @ptitude Analyst 2013 and SKF @ptitude Analyst 2013 MR1 can set the Self Gating limits for English unit IMx POINTs based on Metric values – 1 / 9.81 for g and gE POINTs; 1 / 25.4 for in/s, in/s Env and mil POINTs).

Long term fix

1. Upgrade to SKF @ptitude Analyst 2013 MR2 or later.

2. When a user starts SKF @ptitude Analyst 2013 MR2 for the first time and the system detects at least one active Self Gating setting for an English unit POINT, the user is presented with the message in Figure 1.

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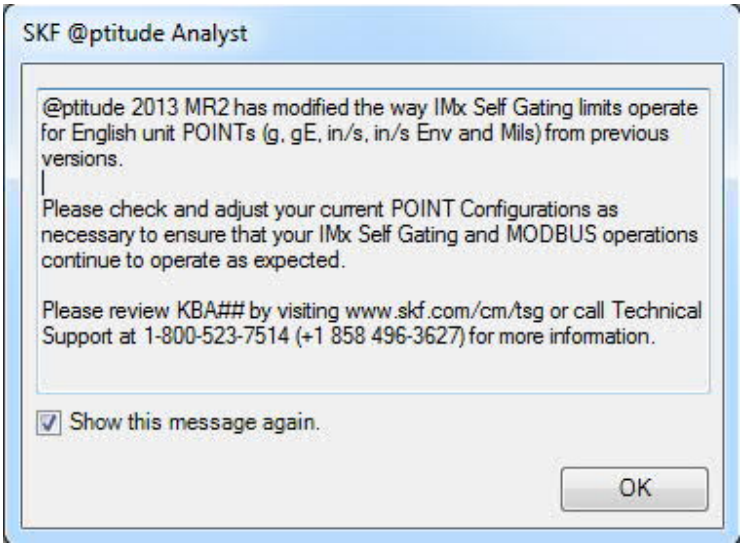

Figure 1. Message about IMx Self Gating limits

- Unchecking "Show this message again" will hide this box in future sessions for the currently logged in user.

3. Create filtered Workspaces (Insert > Filter) that identify those POINTs with the affected units (POINT > General > Data Type = IMx, and POINT > Setup > Full Scale Unit = g,gE; or in/s, in/sec Env, mils) and grouped by POINTs with desired similar Self Gating limits.

4. Once the filtered workspace is created, use Modify by Attribute (Edit > Modify by Attribute) to globally set the Self Gating limits (Threshold Settings > Self Gating: [Select a POINT, edit the Min and Max values, save the values by hitting [OK], highlight the POINT with the correct values and [Set All]).

For further assistance, please contact the Technical Support Group by phone at 1-800-523-7514 option 8, or by e-mail at TSG-CMC@skf.com.