

Knowledge Base Article

Product Group: Software
Product: CMSW7400 - @ptitude Analyst
Version: N/A

Abstract

This article provides the setup for Relative/Cross Channel phase within SKF @ptitude Analyst. The setup for a Non-Route Relative/Cross Channel phase is also included in this article.

Overview

The steps below should be followed when setting up a Relative/Cross Channel phase setup in @ptitude Analyst.

1. First, select **Vibration (2-Channel)** as the Application. [Figure 1]

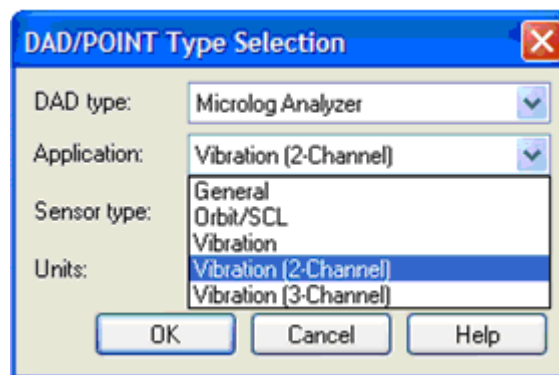


Figure 1. DAD/POINT Type Selection

2. Next, select the **Sensor Type** (most likely **Accelerometer**) and desired **Units** of measure. [Figure 2]
3. To create a measurement that will incorporate Phase, change the measurement setup from Fixed Span to **Order Track** in the **Setup** tab, as demonstrated in Figure 2.

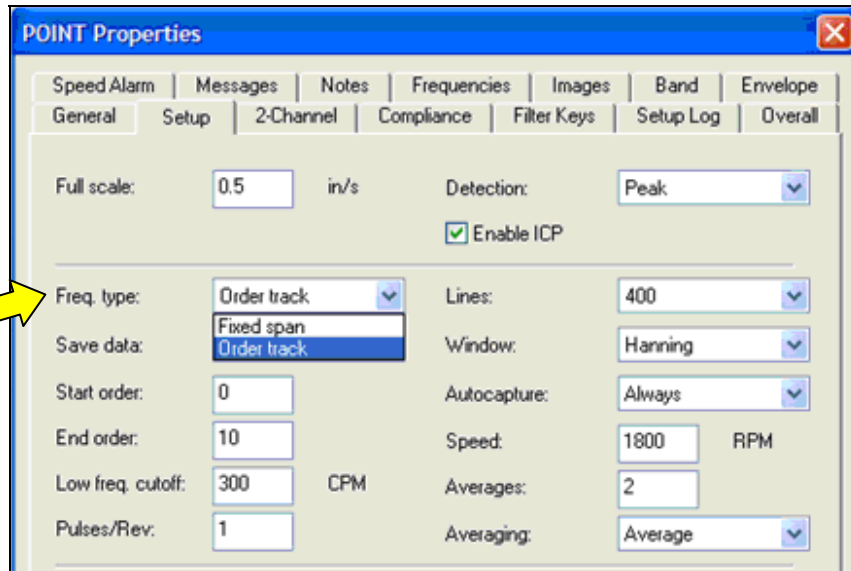


Figure 2. POINT Properties

- Next, change the **Save data** field to **FFT and cross-phase**. [Figure 3]

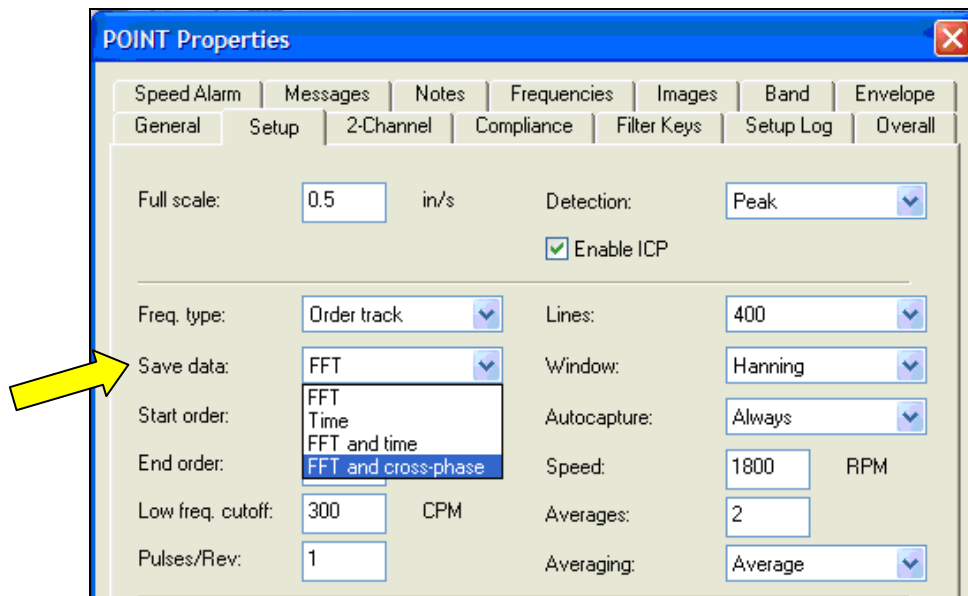


Figure 3. Set as FFT and cross-phase

- The **End order** value will determine the maximum frequency (number of orders x RPM) range.

6. Figure 4 shows the proper Non-Route setup to collect Cross Channel Phase data using two sensors and no external trigger. The two main settings are **Display Format: Phase** and **Input Channel: X & Y**
 - For CMXA 75 and CMXA 80 Micrologs, the **Input Channel** will be **CH1 & CH2** instead of X & Y.

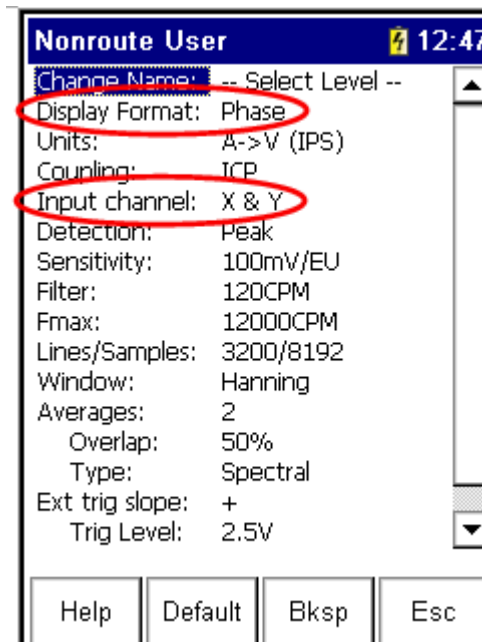


Figure 4. Non-Route setup

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