

Knowledge Base Article

Product Group: Microlog

Product: CMVA 60

Version: N/A

Abstract

This article explains why different calibration warning messages may appear on a CMVA 60 Microlog and what to do in case one is ever encountered.

Overview

ISO requirements state that these types of equipment are to be calibrated on an annual basis. Therefore, a "Calibration Reminder" feature was implemented so that operators would be notified when an instrument becomes due for annual calibration.

There are three different warning messages that pertain to this calibration feature. All three messages are described in detail below. The following procedure should be followed first.

- Verify that the CMVA 60 Microlog is set to the correct date and time. If the Microlog is set to the correct date and time, then the unit may be due for calibration. At this point, an authorized Repair Center should be contacted to schedule a calibration service. However, if the date and time are incorrectly set, then reset it to the correct settings.
 - To set the date and time, go to **Utilities → Set Clock** from the Microlog main menu, and manually enter in the correct date/time values.
 - The date/time may also be set using SKF software. With the CMVA 60 unit connected, proceed to the **Transfer → Status** menu, and then **Clear** or **Configure** the Microlog. This will configure the Microlog to the PC's date and time.
- Once the date and time have been correctly set, turn the unit OFF, then back ON, and verify the "Calibration Warning" message is no longer present. If the message is still there, contact an authorized Repair Center or call Technical Support.

- The calibration warning message feature can also be disabled.
 - Go to **Utilities → System Setup → Calibration Reminder** from the Microlog main menu change the value to *Disabled*.

Calibration Expired

The "Calibration Expiration Clock" is set to count down **360 days**, starting from the time/date that the CMVA 60 was calibrated at the factory. For example, if a unit was calibrated on 09/04/12, then a flag will be set at +360 days from this calibration date. Once the 360 days have been exceeded, a warning message [Figure 1] will be displayed every time the unit is turned on. **The "Calibration Reminder" feature can be disabled ONLY in version 3.81.**

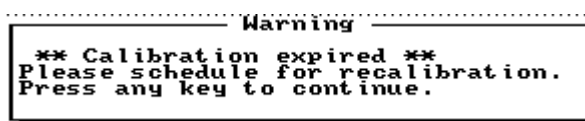


Figure 1. Calibration expired

Calibration Expiring Warning

Once the **330-day** mark has been exceeded, then the unit will begin to display a calibration warning message [Figure 2], and will continue to decrement each day until it reaches the 360-day mark. This gives the operator 30 days to plan for and schedule calibration service at an authorized SKF Repair Center.

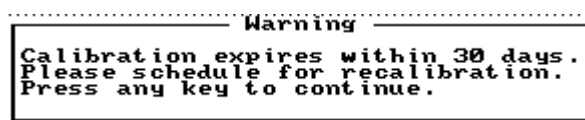


Figure 2. Calibration warning

Calibration Date Error

The error message shown in Figure 3 is an indication that there is a huge indifference between the Microlog's current date and the "Calibration Expiration Date". This error is commonly seen in new units and units that are just received back from calibration.

On new units, when a Microlog is shipped from the factory, the battery pack is isolated from the Microlog. On units that have just been calibrated, the Microlog may not have been shipped back to the customer with a battery at all. Therefore, when a customer receives the Microlog and installs the battery pack, the Microlog will display an incorrect date (which is usually 01/01/80). This is because the "Real Time Clock" chip within the Microlog has been without power. Since the time difference will be much greater than 360 days, the error message occurs. To resolve this error, ensure the date and time are correctly set after receiving the unit.



Figure 3. Calibration date error

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.