

Inquire – Knowledge Base Article

Product Group: LPU

Product: CMMA864 Multi Function Card

Version: 1.4

Abstract

This article provides information regarding the accuracy with v1.4 AV DAQ PAC when specified in metric (SI) units.

Overview

There are currently two styles of the AV DAQ PAC - AV-12.5 and AV-50. These DAQ PACs are designed to handle full scale ranges of 12.5 and 50 Engineering Units (EU), respectively.

There is an accuracy problem with these DAQ PACs at the low end of the full scale range (FSR) whenever the FSR is specified in metric (SI) units. This firmware bug in the CMMA864 is only found in cases where the FSR is in metric (SI) units and is very small (0 - 2 EU at 20Hz).

The solution will be available in a CMMA864 firmware release, following the current version v1.4.

In the meantime, there are two temporary fixes; however they might not be suitable for some users or installations:

1. Change the full scale range to 0 - 10 EU. This will affect the 4-20 mA DC proportional outputs as well. If the DC outputs are used, this work around is not valid.
2. Change to English Units. This requires that the sensitivity, FSR, etc. be adjusted appropriately.

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.