

IO-Link Device AOI Test Report

Date of Test: 9/4/24

Name of Test Engineer: Anthony Molina

Product Description of Tested Product: CMVT-QR20-IOLX3-H1141

Product Firmware Rev: 1.1.10.0

PLC used to Test Product: SoftLogix

Version of StudioLogix used to Test Product: V23

Name of AOI File Tested: Turck-CMVT-Full-VI-0.LSX

Version of AOI File Tested: 1.0

Test Notes: Tested with Turck-TBEN-LX-8IOL-AOI
Rev 1-3

Response Time of webserver versus PLC was different
so it was difficult to compare X, Y, Z, and Magnitude
Values, but they seemed to be correct,

Test Passed: Yes / No

Test Plan

CMVT

9/4/24

- ☒ Drag over IO-Link Device AOI from Catalog to Project
- ☒ Verify AOI Version matches Rev file and Revision Notes from txt file in github.
- ☒ Verify AOI Description matches txt file in github.
- ☒ Create tag instances of AOI
- ☒ Configure port of device
- ☒ Copy Common Data tag
- ☒ Download project to PLC
- ☒ Verify the Wrong or Missing Device is not on
- ☒ Disconnect Device and verify missing device is on
- ☒ Connect incorrect device and verify missing device stays on
- ☒ Reconnect correct device and verify missing devices goes off
- ☒ Add test contact to disable / enable AOI. Verify acyclic data points recover.
- ☒ Verify data points go to zero when Wrong or Missing Device detected
- ☒ Check vibration on the X-Axis. Compare to webserver.
- ☒ Check vibration on the Y-Axis. Compare to webserver.
- ☒ Check vibration on the Z-Axis. Compare to webserver.
- ☒ Check the magnitude of the vibrations. Compare to webserver.
- ☒ Check the temperature. Compare to webserver.
- ☒ Check Output1 and Output2. Compare to webserver. Cause the outputs to change states.
- ☒ Check Operating Hours, Max Temperature, Min Temperature. Compare to webserver.
- ☒ Set Display_DegF to 1 and verify temperature values change from Celsius to Fahrenheit. Reset back to 0 and verify temperature values go back to Celsius.
- ☒ Go into Controller tags to .DataConfig. Change the value (0..7) and check the webserver Process Data Configuration parameter. It should match.
- ☒ Go into Controller tags to .DataConfig. Change the value < 0 or > 7. Make sure value reverts to last state and does not change Process Data Configuration parameter in the webserver.