

IO-Link Device AOI Test Report

Date of Test: 23 - Oct - 2024

Name of Test Engineer: Jose S.

Product Description of Tested Product: PS+ Universal AOI

Product Firmware Rev: B10LA FW 1.0
PS10-16v: 1.1.8.0

PLC used to Test Product: L30C RMS

Version of StudioLogix used to Test Product: 32

Name of AOI File Tested: TURCK - Universal - PS plus V 1-1

Version of AOI File Tested: 1.1

Test Notes:

- * Add step between 1 and 2 to check if AOI identifies the sensors correctly.
- * could not change sensor profile.

Test Passed: Yes / No

Test Plan

- ☒ Drag over IO-Link Device AOI from Catalog to Project (Imported, not yet on catalog)
- ☒ 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
- ☐ Sensor Tests:

Verify correct
sensor is identified

1. Verify the Wrong or Missing Device is not on ✓✓✓
2. Disconnect Device and verify missing device is on ✓✓✓
3. Connect incorrect device and verify missing device stays on ✓✓✓
4. Reconnect correct device and verify missing devices goes off ✓✓✓
5. Plug PS+ into another port, use IODD Configurator to change Output 2 Mode to Analog ✓✓✓
and Process Data Profile to Profile 1* Can't change profile via Iodd config... 11
6. Plug PS+ back into original port, use IODD Configurator to verify AOI reset Output 2
Mode to not be Analog ✓✓✓ and Profile Data Profile to Profile 3x ✓
7. Put pressure on device, verify the pressure in bar matches between display and AOI ✓✓✓
8. Change Units to 1, display changes to PSI ✓✓✓
9. Verify PSI value on display matches AOI ✓✓✓
10. Change Display Rotation to 1, verify display rotates. ✓✓✓
11. Go into menu and change the units to bar ✓✓✓
12. Change menu lock to 1, try to change the units again, should only be able to view. ✓✓✓
13. Use IODD Configurator and verify the Min and Max seen pressures match. ✓✓✓
14. Write down the sensor used to perform the test listed above: PSS10-16V-03-LI2UPN8-H1141
15. Repeat the tests listed above with other supported sensors (Steps 1 to 13) and list
sensors used below

PSS10-16V-03-LI2UPN8-H1141