December 10, 2018

UAM-05LP-T301 Error Number List

The UAM's error code is displayed on the front display and on the configuration application monitoring screen. Any value below 40 is not an error code.
The following table summarizes the error codes and their solutions.

Num.	Details	Solution suggestion	Critical
45	Configuration uncompleted. Possible interrupted configuration.	Reconfigure the scanner	No
56	Invalid area selected. The selected area number is beyond the configured range.	Confirm the area switching algorithm. Configure the active areas to include the selected area number. Confirm the inputs wiring.	No
57	Input state is invalid. The input state (e.g. IN_A) does not match its complemented input state (e.g. INV_A) during the configured Area input delay.	Confirm the input selection delay on the PLC. Increase the Area Input Delay setting. Refer to section 3.5 Area switching for more details.	No
59	Area sequence error. The selected area is not reachable in current sequence configuration.	Confirm the area switching algorithm. Configure the area sequence to include the selected area switching path. Refer to section 3.11 Area sequence function for more details.	No
5b	Encoder speed error. The speed of the encoder is exceeding the configured speed range.	Make sure the encoder speed is correctly configured. Refer to section 3.6.4 Area switching by encoder input for more details.	No
5C	Encoder tolerance error. The difference between the two encoders speed exceeds the error tolerance setting.	Confirm the encoder pulse. Confirm the error tolerance. Check the connected hardware. Refer to section 3.6.4 Area switching by encoder input for more details.	No
5d	Encoder speed error. The speed of the encoder is exceeding the configured velocity monitoring range.	Confirm the selected static input velocity monitoring range. Check the connected hardware. Refer to section 3.6.4 Area switching by encoder input for more details.	No
5E	Unused encoder input (encoder pattern) is selected.	Confirm the pattern switching algorithm. Check the wiring of the inputs. Refer to section 3.6.4 Area switching by encoder input for more details.	No

60 | 63	The scanner rotation speed is unstable.	Confirm the mounting stability. Verify that the scanner is mounted within vibration and bump specifications. Refer to section 10. Specification for more details.	No
64	Master-Slave communication error. The connection between master and slave units fails.	Confirm the RS-485 cable wiring. Refer to section 3.17 Master-Slave Function for more details.	No
70	Optical interference/High reflective background.	Mount UAM at a location free from light interference. Refer to section 5.1 for light interference counter measures.	No
72	Operating temperature error.	Make sure that operating temperature is within specification. Refer to section 10. Specification for more details.	Yes
74 | 79	Power supply error.	Make sure that voltage is within the specification. Refer to section 6.2 Power supply for more details.	Yes
7C	OSSD excess current error.	Make sure the OSSD load is within the specification. Refer to section 10. Specification for more details.	Yes
7d	Slave unit 1 error.	Check the error code on slave unit 1	No
7E	Slave unit 2 error.	Check the error code on slave unit 2	No
7F	Slave unit 3 error.	Check the error code on slave unit 3	No
80	Master unit error.	Check the error code on master unit	No
84 85	Object in limited detection zone or contamination on the optical window.	Remove the object or clean the optical window. Refer to section 8.5 for cleaning the optical window. Also refer to section 5.4 Limited detection capability zone.	No
86	Mutual interference error	Mount UAM at a location free from mutual interference. Refer to section 5.2 mutual interference for counter measures.	No
8F	SD card detection error. Incompatible or corrupted SD card.	Check SD card file or check the specification of the SD card.	No
95 | 9A	OSSD diagnostic error. One or more OSSD outputs has abnormal state.	Check the OSSD connection for over load or short-circuits.	No
A6	EDM1 input connection error. The EDM1 input has different state than the OSSD1/2.	Check the EDM1 connection. Refer to section 3.8 External device monitoring (EDM) function for more details.	Yes
A7	EDM2 input connection error. The EDM2 input has different state than the OSSD3/4.	Check the EDM 2 connection. Refer to section 3.8 External device monitoring (EDM) function for more details.	Yes

A9	Reset input error. The interlock function is enabled and the reset signal is not received within the specified time interval.	Check the RESET connection. Refer to section 3.7.3.2 Manual restart (Interlock enabled) for more details.	Yes
AA	Reference monitor error. The reference monitoring function is enabled and one or more reference object is not present.	Check for the displacement of reference structure. Check the displacement of UAM position. Refer to section 3.10 Reference monitoring function for more details.	No
B1 | C0	Optical window is dirty or scratched.	Clean the optical window or replace it. Refer to chapter 8.5 for cleaning the optical window	No
C1	Optical window is removed or completely damaged.	Re-install the optical window. Replace the optical window. Refer to chapter 8.6 Replacing the optical window	Yes
CE	Adjustment of the optical window is incomplete after replacement. (Displays CE during the adjustment of the optical window.)	Adjust the optical window. Refer to chapter 8.6 Replacing the optical window	No
CF	UAM is not configured. This is the factory state. UAM is reset using the initialization option.	Configure UAM using the compatible UAM Project designer version in a stable environment.	No
D3 | E6	Configuration is incomplete. Possibly interrupted or failed configuration.	Reconfigure UAM using the compatible UAM Project designer version in a stable environment.	No
F0	SD card initialization error	Remove the card and try again.	No
F1	SD card file content error	Check the setting file in the SD card. Save to SD card again.	No
Other Errors	Device Error	Make sure that FG wire is correctly to the ground. Check the surrounding disturbance of the operating environment. Mount the sensor within the stated vibration, bump in the specification. Replace UAM if it does not recover even after restoring the power supply. Contact the nearest distributor or sales representative for the repair.	Yes

*Critical error requires manual power restart.
*Critical error switches the scanner to lockout state. In this state, the scanner stops the measurement and any current continuous measurement request is stopped. Refer to section 3.7.2 Lockout state for details.
*For undocumented errors, please provide the settings report (PDF file) when contacting your distributor or representative. Refer to section 7.9.3 Report tab on how to generate the settings report.