ADVISORY NOTICE
01_2025_XL-1000 _SW_v2024.08

Dear customer,

We hereby inform you that the XL-1000 devices software has been updated to SW version 2024.08 issued on 31th January 2025.

ASW MultiXL XL1000 v2024.08 with ESW XL1000 ver.ESW2024_RM.06 (For new interface board ELS32025R5) _ Test loader system

XL-1000 SW_v2024.08 include improvement in previous application software ver.2024.C03 and Embedded software ver. ESW2024_RM.06 is released to include improvement & to address issues reported in previous Embedded software ver. ESW2024_RM.03 (for New Hardware – Interface board ELS32025 R5).

List of Changes inXL-1000 Application software ver.2024.08:

1. Improvement – Preventive measure taken for 999-Rack placement error, randomly observed at few sites.
   a. When abs data reported by machine is delayed by few milliseconds preventive measures are added to handle conditions.
   b. During the run, copy rack is restricted to one rack at a time.

2. Improvement – Float Sensor Scheme:
   a. Do not Pause sample for error code '888'. Just Display the message.
   b. Error code '884' (DI Water Low) removed from the system.

3. Improvement - RCT Temperature Scheme:
   a. At the start of the RUN (Pre-run), if RCT temperature is within range and then during the run RCT Temperature is out of range for consecutive 10 times, then pause the sampling of that batch run.
   b. At the start of the RUN (Pre-run), if RCT temperature is out of range then Show message to get user's choice to proceed/stop run. In case, user selected to proceed with run then during that run, do not pause sampling even if RCT Temperature is Out of Range for consecutive 10 times or more.

List of Changes inXL-1000 Embedded software ver.ESW2024 RM.06
(New Hardware- Interface board ELS32025 R5)

1. Issue Resolved: Spluttering was observed near R1 probe (This is done by moving probe up slowly, after dispensing is completed, for 20 steps and then moving it up for homing at a speed that is higher as compared to the previous version so that the total up movement timing is achieved).
2. Issue Resolved: LLC version was not sent by LLC board but was hardcoded in STM32 and STM32 was sending the LLC version to ASW, so in case if Interface board is upgraded with new version and LLC is not upgraded still ESW will report a newer LLC version, to tackle this issue protocol between STM32 & LLC board is changed

such that LLC will now send its version number & in case of older LLC version where LLC is not transmitting version STM32 will show "LLCV00.03" by default.

3. Pump Operation & Sensor failure errors.

4. Displaying of RCT Temperature in case of Heater or sensor failure has been changed.

SW version 2024.08 is already included in devices produced from SN 115308 Onwards.

For SW version 2024.08, please contact your local service engineer or distributor to set up the new SW version from the web site ERBA Knowledge Base.

Applied for:

INSTRUMENT: XL1000   cat.no: INS00009, INS000010

In case you have any additional questions, please do not hesitate to contact us.

Best regards,

Erba Lachema s.r.o.

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Brno, February 4th 2025

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