

QuickDraw Lite Software Release Notes

Version 1.1.4 – 7-20-2022

Issue:

Customer reported erroneous behavior with automatic product accumulation totals. When automatic batch was stopped before completion, and then started again, the accumulation jumped to a higher value than what would have been measured by flow meter.

- This version corrects the issue.

Version 1.1.3 – 3-22-2022

- Added option to select Pump Start to be either momentary or maintained.
- This setting is saved to memory to be restored at power on.
- This update corresponds with Display version A4.
 - Display A4: Added Maintained Start selection to Settings.
 - Added Start Pump to Manual Products and Auto Products.
 - Rearranged buttons on Manual/Auto.

Version 1.1.2 – 3-12-2021

Issue:

Bug fix in version 1.1.1 introduced another problem. Carrier flow would only accumulate if the product flow sensor was engaged.

- This software update is to fix an issue caused by the bug fix in version 1.1.1. The issue was that the carrier flow would accumulate only during certain conditions. If the system was configured with the mass meter, then operation should be normal with version 1.1.1. However, if the system was configured with the geared pulse flow meter, then the carrier flow would only accumulate if the product flow sensor was engaged. The correct handling is for the carrier flow to be accumulated at all times, only dependent on the carrier flow itself.
- This version expects display version of A3. Display version A3 was introduced with controller software version 1.1.0.

Version 1.1.1 – 11-2-2020

Issue:

Pulses were being increased when flow was not present. Flow Sensor was doing its job, but program had a little bit of a flaw that allowed the pulses to continue being counted and then added back in once flow resumed. This applies to the pulse flow meter feature.

Solution:

Added logic to prevent counting of pulses when they shouldn't be.

Version 1.1.0 – 12-2-2019

- Updated for having analog circuitry removed from circuit board.

Version 1.1.0 – 1-21-2019

- Added option to use either pulse or mass meter for product flow.
- Also implemented toggle switch that will be activated by liquid in the system, to verify flow.

Version 1.0.1 – 12-7-2016

- Fixed Carrier Enable Settings so SavedSettings = true when changed. Value wasn't being written to EEPROM.

Version 1.0.0 – 6-30-2016

- Changed back to 6 product
- Fixed: Totalizer units weren't getting saved
- Added carrier setpoint
- Verified that valve assignments still work
- Set valve open to 95% instead of 80%.

Version 0.0.8 – 5-16-2016

- Initial conversion from V1.4.1 of QuickDraw Original Code
- Disabled Carrier Flow Alarm
- Manual Product totals all the time, no start/stop
- Manual Product doesn't use a batch sequence, just totalizes