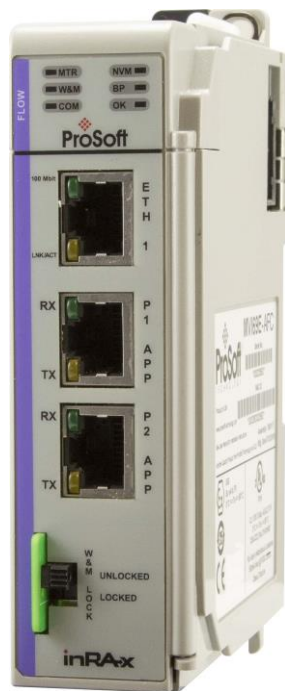# ProSoft® TECHNOLOGY

Where Automation Connects.

MVI69E-AFC

Enhanced Liquid and Gas Flow Computer for CompactLogix®

RELEASE NOTES

Your Feedback Please

We always want you to feel that you made the right decision to use our products. If you have suggestions, comments, compliments or complaints about our products, documentation, or support, please write or call us.

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MVI69E-AFC Release Notes
v4.06.000
For public use.

July 8, 2022

Content Disclaimer

Contents

1   Start Here

This document highlights the new features, fixes, enhancements and known issues for the MVI69E-AFC.

1.1   Compatibility

The following table shows the base firmware and operating system kernel versions that are compatible with each application firmware version.

Application Firmware Image		Base Firmware Image		OS Kernel Version
4.06.001 #056	30-Jun-2022	1.01 #001	26-Jul-2018	2.6.33.7 #16
4.06.000 #044	07-Mar-2022	1.01 #001	26-Jul-2018	2.6.33.7 #16
4.05.002 #023	31-Mar-2021	1.01 #001	26-Jul-2018	2.6.33.7 #16
4.05.001 #022	25-Feb-2020	1.01 #001	26-Jul-2018	2.6.33.7 #16
4.05.000 #021	24-Sep-2019	1.01 #001	26-Jul-2018	2.6.33.7 #16
4.04.002 #017	30-May-2019	1.01 #001	26-Jul-2018	2.6.33.7 #16
4.04.001 #014	12-Feb-2019	1.01 #001	26-Jul-2018	2.6.33.7 #16
4.04.000 #012	12-Sep-2018	1.01 #001	26-Jul-2018	2.6.33.7 #16

1.2   About the MVI69E-AFC

ProSoft Technology's in-chassis flow computer solution allows you to combine the power and scalability of a CompactLogix® automation system with the functionality typically only seen in standalone flow computers or dedicated measurement RTUs. This provides you with the industry standard calculations, archiving, and reporting needed for custody transfer and allocation-based measurement functions for Oil and Gas operations.

2   Release Enhancements and Known Issues

Release Version	Release Date	Feature Enhancements and Known Issues
4.06.001	30-Jun-2022	• MASC accumulator periods based upon contract day instead of calendar day. • Meter extended totalizer contract period accumulator increment enhancement to only require single boundary transition.
4.06.000	07-Mar-2022	• Mass allocation shrinkage calculations. • API 20.1 Water cut methods (static, live, and density based). • Pressure bias (offset) process input scaling. • Meter stream grouping • Meter stream allocation for up to 16 streams per meter run. • Total 64 global streams that can be allocated to all meter runs.
4.05.002	31-Mar-2021	• Correction to linear pulse count accumulators
4.05.001	25-Feb-2020	• Correction to serial port library for RS-485/422.
4.05.000	24-Sep-2019	• Mass heating value in US units changed from MBTU/lb. to BTU/lb. • Volumetric heating value in US units changed from MBTU/cf to BTU/cf. • API MPMS Chapter 14.5 3rd Edition (Nov. 1992, Reaffirmed Mar 2006) (GPA standard 2172-09). • Enron history download date stamp adjustment for Cygnet Modbus EFM minimum date stamp (1/1/2000) requirement. • Temperature bias (offset) process input scaling. • Default meter archive extended file size set to 1440 records. • Density process input units addition for g/cm^3. • Addition of thermal mass meter physical device type. • Meter contract previous daily and monthly quantity non-resettable accumulator values and totals. • Meter linear regression projected contract daily and monthly non-resettable accumulator values and totals. • Accumulation of multiple meter runs into a single meter run. • Meter configuration asset tag addition.
4.04.000	18-Dec-2018	Initial Release

3   Support, Service & Warranty

3.1   Contacting Technical Support

ProSoft Technology, Inc. is committed to providing the most efficient and effective support possible. Before calling, please gather the following information to assist in expediting this process:

1   Product Version Number
2   System architecture
3   Network details

If the issue is hardware related, we will also need information regarding:

1   Module configuration and associated ladder files, if any
2   Module operation and any unusual behavior
3   Configuration/Debug status information
4   LED patterns
5   Details about the interfaced serial, Ethernet or Fieldbus devices

Note: *For technical support calls within the United States, ProSoft's 24/7 after-hours phone support is available for urgent plant-down issues.*

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For additional ProSoft Technology contacts in your area, please visit:
https://www.prosoft-technology.com/About-Us/Contact-Us.

3.2   Warranty Information

For complete details regarding ProSoft Technology's TERMS & CONDITIONS OF SALE, WARRANTY, SUPPORT, SERVICE AND RETURN MATERIAL AUTHORIZATION INSTRUCTIONS, please see the documents at:
www.prosoft-technology/legal