



frequently asked
QUESTIONS

Enhanced Flow Computer for ControlLogix® FAQ

What's the difference between the MVI56E-AFC and the MVI56-AFC?

The enhanced flow computer allows for remote configuration and diagnostics via Ethernet (Modbus® TCP/IP), helping to simplify your application and saving you time. We've also updated some of the AGA/API standards and added new functionality such as meter calibration functions, Flow-Cal .CFX file support, and Enron Modbus support for alarm, events, and archive transfers to 3rd party SCADA systems.

If I just need to calculate flow, can I just do this in PLC code?

The module calculates net flow rates of hydrocarbons based on industry standard AGA/API specifications... Sure this could be done in PLC code with a lot of research and a lot of math equations. But our module ensures accuracy by acting as a co-processor to the ControlLogix system, additionally it provides a secure audit trail with the ability to build daily and hourly records that are locked in non-volatile memory.

Is this a new product?

This is an enhancement to our flow computer for ControlLogix controllers. ProSoft Technology has been offering automated flow computers since 1993, and making enhancements along the way based on what oil and gas professionals have told us they need.

What's the benefit of this solution over a standalone flow computer?

In a traditional multi-well pad site setup, you would need multiple RTUs and standalone flow computers. With our solution, depending on the size of your application, you can use a single in-rack flow computer and lose the multiple RTUs. This solution helps you simplify your operation and optimize your resources. With the in-chassis solution, you'll also save on wiring and installation costs, and gain advanced control. The flexibility of distributed I/O can also benefit a wide-ranging application.

Is this module certified for custody transfer?

In the United States there is no certifying body for custody transfer. There are third-party agencies that do tests and validation. ProSoft Technology has completed testing for the MVI56E-AFC module through Colorado Experiment Engineering Stations Inc. (CEESI) and Netherlands Measurement Institute (NMI) for third party verification, in addition to Directive 17 testing, and various other internal test cases.

For the MVI56E-AFC we have MID Type approval, EN 12405, WELMEC 7.2, and OIML (R117 & R140) approvals based on the testing performed with NMI. Additionally NMI performed review for compliance to API 21.1 and API 21.2 standards.

What software do I need to set up the flow computer?

The EAFC Manager software is available as a free download on our website. It allows you to set up, configure, and monitor the module.

Do I need a separate license for gas or liquids with this module?

No, every flow computer accounts for gas and liquid licenses. This helps you save money and time, since some companies' hardware only comes with the ability to do gas calculations, with the option to buy a separate liquid license if needed. With our flow computer, all meter runs can be configured to handle gas or liquid to fit your needs.