



ProSoft AFC Manager

PSW-AFC

The AFC Manager is an easy-to-use Windows 98/NT/2000/XP based configuration, reporting, and monitoring tool provided with the AFC modules. Project configurations may be uploaded, downloaded and saved to the PC under user selectable file names.

- Allows the user to monitor each meter run (flow rates, accumulator values and other calculation results). All alarm data is displayed on the screen
- Allows user to download and view the archives and events
- Allows the user to perform an Audit scan. This shows the process input variables and calculation results as "snapshots", allowing verification of the calculations
- Provides easy access to the Primary Modbus Slave data (130.000 registers) and Virtual Modbus Slave data (20.000) registers
- Provides the ability to perform data remapping to optimize the polling of data
- An optional password protects changes to certain configuration parameters and reading of critical meter data

Features and Benefits

The AFC Manager allows you to perform the following tasks with your AFC modules:

- Manage multiple AFC modules with multiple firmware revisions
- Configure project parameters (site configuration)
- Configure the port communication parameters
- Remap registers from the primary slave to the virtual slave. Modbus master interface allows easy access to primary and virtual database
- Configure meter channels
- Enable and disable the meter channels
- Set the module passwords
- Keep track of configuration changes
- Monitor the meter operation
- Perform an audit scan
- Configure the archives
- Monitor the archives
- Monitor the events

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The AFC Manager can be used to configure the AFC module project parameters (Site Configuration) and each meter (Meter Configuration).

Once your project is up and running, you can also use the AFC Manager to monitor each meter run (Meter Monitor), archives, and events.

How to Contact Us: Sales and Support

All ProSoft Technology® products are backed with unlimited technical support. Contact our worldwide Technical Support team directly by phone or email:

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Functional Specifications

- Process I/O: analog inputs (pressure, temperature, diff pressure) from analog modules and pulse inputs from pulse/frequency input modules in rack
- Number of meter channels: 8 or 16 meters (depending on module capabilities)
- Fluid groups: Hydrocarbon gases and liquids, including Crudes & NGLs (API-2540 "A" and "E" Tables), Refined Products (API-2540 "B" Tables), and Oil-Water Emulsion (API-2540 "A" Tables with high-water-content methods of MPMS Ch 20.1)
- Meter types: Differential (orifice, V-cone), Linear (pulse train), Flow rate integration, Pulse frequency integration

Calculation Methods

- AGA3 (1992) or ISO5167 (2003)
- AGA7
- AGA8 (1992) (Detail Characterization Method)
- Energy (heating value) for gases according to AGA 8 Appx C-4
- API MPMS Ch 12.2
- API-2540 Tables (API MPMS Ch 11.1) 23/53 and 24/54 for Hydrocarbon Liquids
- GPA TP-25 for Hydrocarbon Liquids (Tables 23E/24E)
- API MPMS Ch 11.2
- GPA TP-15 for Vapor Pressure Correlation
- API MPMS Ch 20.1
- API MPMS Ch 21.1 and 21.2 or equivalent

Supports energy measurement for gas applications

Product Measurement: Hydrocarbon gases and liquids including refined products

Process I/O Calibration Mode: Prevents introduction of spurious process input values during calibration of transmitters

Data Archiving

- Hourly for 2 days for each meter run (48 records per channel)
- Daily for 35 days
- Extended archive feature supports up to 1440 additional daily archives and 1440 additional hourly archives on compact flash
- Each record consists of nearly 20 process and other variables
- All archived data is available in or via the onboard Modbus memory map
- User may configure when archives are generated
- User may configure archive content (from pre-defined list)
- Archives can be exported to an Excel spreadsheet or printed to a local printer

Other Features

- Event Log with 1999-event buffer and timestamp
- Virtual Slave with 20,000 re-mappable Modbus registers for contiguous SCADA polling
- Password protection

System Requirements - AFC Manager

These configuration tools are designed for Microsoft Windows XP, 2000 and NT. Minimum hardware requirements are:

- 100 MHz or faster Pentium PC
- 128 MB RAM
- CD-ROM drive
- 100 MB available hard drive space
- Available RS-232 serial port and null modem cable

Additional Products

ProSoft Technology® offers a full complement of hardware and software solutions for a wide variety of industrial communication platforms.

Visit our web site at <http://www.prosoft-technology.com> for a complete list of products.

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