

Flow_Trak 3.0

Volume 1

System Requirements

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Introduction

The Flow Trak 3.0 HMI Software provides a user configurable interface for operations to view and generate reports on a variety of metering installations. The software is NOT designed to configure the individual flow computers, but is intended to provide visual access to the flow computer data.

The system provides the user the ability to enter the various device tag names for meters, temperatures pressures, valves and other associated devices. Local within the system alarm limits can be defined for meter flow rates, temperature, and pressure ranges. Up to 32 meters can be configured in the program and can be grouped into eight groups with up to five meters per group. If skid graphics is selected, the system presents a graphical view of the metering skid with all associated tags and current values. There are many options for monitoring and reporting activity of the system including the ability to customize the display and report units and header information and customized delivery ticket and proving reports.

All configuration data is maintained in text and csv files which can be modified externally of the program which eliminates the requirements for other packages to support implementation.

Installation

The CD provided contains an auto run startup capability to initiate the installation process. If your system does not auto start, then simply click the setup program on the CD. The default installation will place the program and associated directories into C:\Program Files\Flow_Trak 3.0 and create an entry in the Start menu of Programs - JesselTech - Flow_Trak 3.0. All required sub directories will be created and the associated support files will be loaded. Shortcuts and execution of the application can be added by the user to facilitate the operation of the program.

If you have downloaded the software from internet, then you will execute the self-extracting zip file into a temporary folder and click the setup program in a similar manner as from the CD.

Version 3.0 has an additional program, “Flow_Registers” designed to load some default polling registers. This program can be executed directly from the CD and will install the default polling registers to the Flow_Trak 3.0 folder. If you have selected a different folder than the default, the program will prompt you for this folder. You must select the system folder in this condition.

It should be noted that no configuration for runtime is provided with the system, this must be created by the user after installation, see chapter 7 on Configuration.

Authorization

On execution of the application, a configuration sequence will be presented.

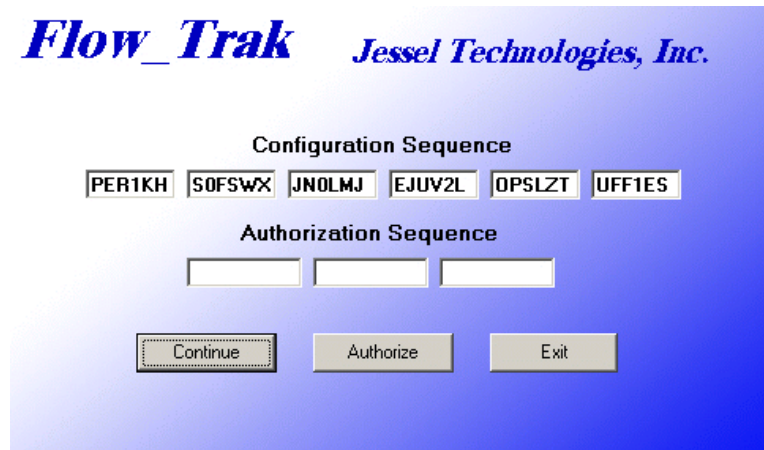


Figure 1
Configuration - Authorization Display

Send the six configuration sequence values to Flow_Trak@jesseltech.com and you will be given the Authorization Sequence values for your computer installation. An authorization form is also generated which can be used to provide all the necessary information for registration and authorization. The file "AuthForm" can be found in C:\Program Files\Flow_Trak 3.0\system. Complete the form and e-mail the file to the address above.

The application can be entered by pressing the Continue button, but will only run for one hour in a demonstration mode. Once you receive the Authorization Sequence values, enter the values and press Authorize to evoke the license. Once the license has been authorized, this display will not appear again.

Uninstall

To remove this application from the computer, use the Windows - Settings -Control Panel - Add/Remove Programs function. The software will be removed, but all the data directories from the application will be left on the hard disk.

Hardware Configuration

The following is recommended:

Microsoft Windows 2000 Professional, Service pack 2 or higher

Minimum 5 megabytes hard disk available

Minimum 256 Mbyte Ram (512 recommended)

(With at least 25 Mbyte of available ram memory in runtime)

One or two serial ports

One parallel port

For each serial port utilized for polling, it is necessary to acquire an RS232 to RS485 converter to allow multi-drop of several flow computers on a single serial link. These converters are available from several vendors.

System Operation

The following chapters discuss the various functions of the software system. Each function is accessed from the main display screen. Since Flow_Trak 3.0 is designed to be customized for specific end user applications, the discussions will be somewhat generalized as depending on the specific configuration developed, many of the menus and displays will change.