

FT4A View™

PC-Based Software Tool

HIGHLIGHTS

- Displays flow rate, gas temperature, flow total and elapsed time of the FT4A in real time
- Quick access to all configuration parameters with pop-up windows and pull down menus
- Selection of measurement units, flow and temperature ranges, alarm settings, and more
- Gas-SelectX® gas selection menu
- CAL-V™ Calibration Validation Certificate
- Data Logging to an Excel™ spreadsheet
- Display of alarm codes
- View raw data that can be used to diagnose or troubleshoot your meter
- Simulation function to control and verify operation of flow meter outputs



FLOW METER DATA

CONFIGURATION AND DATA LOGGING APPLICATION

FT4A View™ is an intuitive, Windows® XP/7/8/10/11 compatible software tool that provides complete configuration and remote process monitoring functions for the Fox Model FT4A Thermal Gas Mass Flow Meter.

VIEW PROCESS DATA FROM YOUR PC

Communication through the USB port of a laptop or PC allows you to install and commission your flow meter quickly, no matter how complex your configuration needs. Once the instrument is up and running, FT4A View™ lets you adjust meter configuration, evaluate alarm conditions, collect process data, choose a gas type from a menu of choices and view measurements from your Laptop, PC or control station.

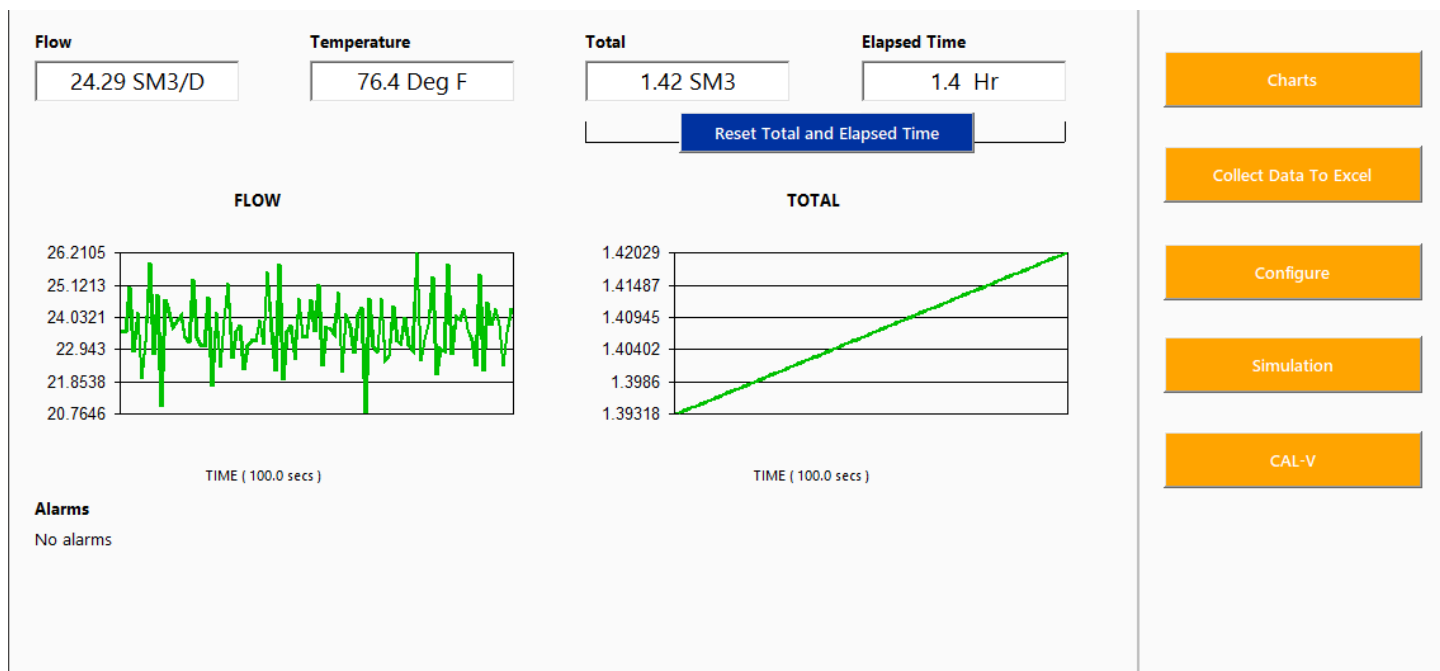
The intuitive and easy-to-use FT4A View™ software gives process engineers and maintenance personnel a real-time view of process conditions. The Fox Thermal flow meter is set to the customer's configuration at the factory using an App ID generated by the on-line configurator. The App ID specifies the gas type, flow range, serial communication and other settings in the meter. If these settings match the final customer application, the meter is ready to use.

QUICKLY CONFIGURE AND ADJUST FLOW METER SETTINGS

The main screen displays all of the flow meter's parameters and process variables on the screen. The FT4A readings are automatically refreshed every second.

Clicking on the FT4A View™ "Configure" button opens a window that is used to configure the meter and to make adjustments to displays, outputs, alarm settings and flow totalizer.

- The "Display" section permits programming of lines 1 and 2 of the local display.
- The "4-20mA" section permits programming of the 4-20mA output for flow rate or temperature.
- "Digital Output Select" permits scaling of the digital output as an alarm indicator or a pulse output.
- The "Serial Com" button allows the user to configure the bus type.
- When FT4A View™ is used to initiate the CAL-V™ test, a calibration validation certificate for the test can be generated as a pdf.



MULTIPLE GAS MIX CHOICES WITH GAS-SELECTX®

Each Model FT4A flow meter is pre-programmed with a list of gas and gas mix choices available through the advanced and easy-to-use Gas-SelectX® feature. Gas-SelectX® is a gas menu where numerous pure gases are listed alongside a Mixed gas and Oil & Gas Mix menus.

For pure gases, the user can easily select from the drop-down list of gases: air, argon, butane, carbon dioxide, helium, hydrogen, methane, natural gas, nitrogen, oxygen, ethane, propane, and many others. For a complete list of available gases, visit the Fox Thermal website.

If a mixture is required, the user can create a custom mixture of any gases available in the gas menus to suit their particular application needs.

Gas-SelectX

Gas Type: Gas Mix

Methane	60.000000	Ammonia	0.000000
Carbon Dioxide	40.000000	Chlorine	0.000000
Nitrogen	0.000000	CO	0.000000
Propylene	0.000000	Decane	0.000000
Propane	0.000000	Ethanol	0.000000
Butane	0.000000	H2S	0.000000
Ethane	0.000000	Isopentane	0.000000
Ethylene	0.000000	Methanol	0.000000
Air	0.000000	N2O	0.000000
Argon	0.000000	R125	0.000000
Oxygen	0.000000	R134a	0.000000
Helium	0.000000	R143a	0.000000
Hydrogen	0.000000	R22	0.000000
Pentane	0.000000	R32	0.000000
Hexane	0.000000	SF6	0.000000
Heptane	0.000000	SO2	0.000000
Octane	0.000000	Water	0.000000
Nonane	0.000000	Acetone	0.000000
I-Butane	0.000000	Benzene	0.000000
		1-Butyne	0.000000
		Propadiene	0.000000
		Ozone	0.000000
		TOTAL	100%

Normalize Gas %

CAL-V™

For customers that need a quick and easy way to verify the calibration of the meter in the field, the Model FT4A offers the CAL-V™ feature. This feature can be initiated through the FT4A View™ Software. The test takes 5 minutes to run and produces a pass/fail result

at the conclusion of the test. A fail result may indicate either a dirty sensor or the need to recalibrate.

Using the FT4A View™ software, a Calibration Validation Certificate can be produced at the conclusion of the test. The certificate will show the date and time of the test along with meter data such as the meter serial number. This in-situ calibration validation helps operators comply with environmental mandates and eliminates the cost and inconvenience of annual factory calibration.

SIMPLE, EASY-TO-USE DATA LOGGING FUNCTION

Saving process data to an Excel™ spreadsheet is initiated by selecting the “Collect Data To Excel” button from the main screen. The data collection window then prompts the user to choose from a list of available parameters such as flow rate, total, temperature, etc.

The user can also choose the sample interval time in hours, minutes, or seconds from easy-to-use drop-down menus. The user can select the output Excel file name with the “Select” button.

This simple, easy-to-use data logging feature helps process engineers analyze flow parameters, evaluate transmitter alarm conditions, and develop charts and graphs for performance comparisons.

FT4A View v3.0.4

Excel Filename: Select

Data Selection

- ☒ CSV (Current Sense Voltage)
- ☒ Flow
- ☒ Flow NM3/H
- ☒ Gas Temperature
- ☒ Total
- ☒ Elapsed Time

Data Preview

Index	Name	Value
15	Csv []	0.045230053
0	Flow [SM3/D]	23.892353
8	FloVol [NM3/H]	0.9831838
12	Gas Temp [Deg F]	77.070801
20	Total [SM3]	1.57331
21	ElapsedTime [Hrs]	1.5333333

Logged Values

6/20/24 15:18:59	0.045293	24.008610	0.947166	77.066849	1.571660
1.533333					
6/20/24 15:19:00	0.045293	24.008610	0.947166	77.066849	1.571660
1.533333					
6/20/24 15:19:01	0.045148	22.287928	0.879283	77.068329	1.572490
1.533333					
6/20/24 15:19:03	0.045304	24.055191	0.949004	77.069763	1.573060
1.533333					

Sample Time

Hrs: 00 Min: 00 Sec: 01

Stop Data Logger



Make downtime a thing of the past.

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