



# F4T with INTUITION®

**New Product: F4T 3.0 Now Shipping**

**Date:** April 21, 2016

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**Product Description:**

F4T 3.0 Release – Advanced Data Logging & Trend Charts

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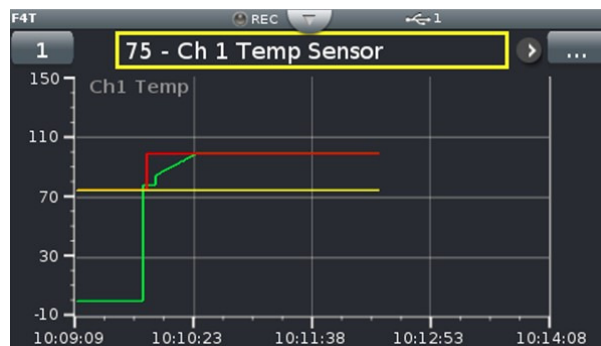
**Lead Time:**

Standard lead time is three business days for 20 units or less.  
For larger quantities contact customer service.

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**List Prices:**

Refer to F4T price sheet below.



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**Download Latest F4T Firmware Update:**

- F4T 3.0 code <http://www.watlow.com/literature/software.cfm>

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**Download Latest Version of COMPOSER®:**

- COMPOSER 3.1 <http://www.watlow.com/literature/software.cfm>

- Includes capability to view encrypted data log files
- Ability to configure advanced data logging and trend chart settings

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**Sales Collateral:**

- F4T price sheet Refer to file attached in original email
- F4T specification sheet <http://www.watlow.com/downloads/en/specsheets/winf4t0316.pdf>
- F4T user manuals <http://www.watlow.com/literature/manuals.cfm> (keyword F4T)
- All F4T collateral <http://f4t.watlow.com>

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**F4T Controllers Already in the Field – Add New Features:**

- Watlow Distributors & OSE's – A second email announcement will follow instructing you how to receive a *free F4T demo feature upgrade* to add *data logging with encrypted files and graphical trend chart* to your F4T demo.
- Watlow Customers – All F4T units in the field can be upgraded to include any Watlow apps:
  - Graphical trend charts
  - Data logging – with or without encryption
  - Profiles
  - Function blocks – math, logic, timers, counters and others
  - Control PID and cascade loopsPricing for the new features is simply the standard price for the order option being added.
- Training overview on how to enter an eSolutions F4T feature upgrade order for a customer.
  - Refer to file attached in original email

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## Video Training Collateral:

- Three new F4T videos online <http://f4t.watlow.com>
  - Tutorial: Data Logging      Setting up data logging with encryption
  - Tutorial: Trending & Graphing      Creating a trend chart
  - Tutorial: File Transfers      Setting up automatic Ethernet export of data log files

If you would like the source video files to play in front of customers when you do not have Internet access or in cases where inadequate bandwidth produces choppy play performance, contact Andy Borkowski or Craig Dennis per the contact information below.

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## F4T 3.0 Enhancements

### Trending

- Up to four trend screens can be created
- Maximum number of parameters per trend chart is six
- User programmable options include: trend titles, pen colors, chart gridlines, parameters to view, user defined names trend parameters and auto or manual Y-axis scaling
- Ability to scroll through a matching color legend of parameters on the trend chart
- User setting selections of chart timespan (X-axis) and scaling parameters (Y-axis)
- Snapshot screen capture feature – trend chart image saved to USB host port location for viewing, emailing or printing options

### Data Logging

- Customers can order data encrypted data log records to help meet industry requirements such as NADCAP or AMS 2750E (military/government/aerospace/furnace/ovens/chambers) and CRF 21 Part 11 (analytical/medical/FDA food)
- File types: Encrypted (filename.enc), comma separated values (filename.csv) or both
- Ability to log directly to USB memory stick
- User can now select which parameters to data log; Up to 128 parameters maximum
- Logging interval: Programmable increments between 0.1 seconds and 60 minutes
- COMPOSER can read and decrypt the encrypted data log file
- Users can type in annotation notes while the F4T is data logging
  - "Opened Door" "Job or Batch #" "Customer Name"
- Ability to transfer data log files over Ethernet or to the USB host port
  - Programmable transfer options
    - Automatically when a file is ready
    - On demand by user
- User can type in their desired name for the data log record file prior to data logging
- Agency listing information: AMS 2750 E compliant: Analog input process values

## New Trending & Data Log Price Ordering Options

①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩
Base Type	Application Type	Data Logging	Power Supply Connector & Voltage, Logo	Profiles & Function Blocks	Future Options	Documentation, Accent Bar, Replacement Connector & Custom	Control Algorithms	Populated Flex Modules	
F4	T				AA				

Price	① Base Type
\$ 625.00	T = Touch screen

Price	④ Application Type
N/C	I = Standard
C/E	X = Custom options, contact factory.

Price	③ Data Logging
N/C	A = None
\$ 370.00	J = Data logging

Price	⑤ Power Supply Connector	⑥ Power Supply Voltage	⑦ Wattage Logo
N/C	I = 400 to 240VAC	(Right angle standard)	Yes
N/C	2 =		
\$ 10.00	3 =		
10.00	4 =		
50.00	5 =		
50.00	6 =		
60.00	7 =		
60.00	8 =		

Price	⑧ Documentation, Accent Bar, Replacement Connector & Custom
N/C	1A = Yes
N/C	1B = Yes
	es
N/C	1E = No
N/C	1F = No
N/C	1G = No
N/C	1H = No
\$ 60.00	1J = Replacement connectors only - for the model number

		Decorated Brushed Aluminum Accent Bar			
DVD / QSG		Gray	Blue	Red	None
1A	Yes	X			
1B	Yes		X		
es				X	
1E	No				X
1F	No	X			
1G	No		X		
1H	No			X	
1J	No				X

### 3.0 Additions

Price	⑤ Data Logging and Graphic Trend Charts
N/C	A = None
\$125.00	B = Graphical trend chart
\$370.00	J = Data logging
\$495.00	K = Data logging with encrypted files
\$495.00	L = Data logging and graphical trend chart
\$620.00	M = Data logging with encrypted files and graphical trend chart

Note: Refer to the Ordering Option types of function

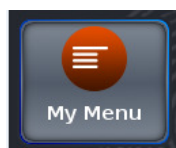
New revision items being added

## Operations Menu – Expanded List of Parameters Available

- Parameter listings available include: Control loops, profile events, inputs, outputs, alarms, limits, variable, timer, counter, process values, linearization, compare, logic and math

### Set-up Parameter Settings – Expanded List of Parameters Available

- Parameters can now be viewed/changed via the *Main Menu > Settings*
- Setting values can be viewed or changed, however connections coming to/from the function blocks are still managed through COMPOSER settings
  - Parameter listings available include: Control loops, profile settings, inputs, outputs, alarms, limits, variable, timer, counter, process values, linearization, compare, logic, math, keys, special functions and display



## My Menu - Custom User Menu

- Users can now create their own custom defined menu list of parameters
- Up to 24 self-defined parameters can be added
- Available parameters from Control loops, analog inputs, current inputs, display units, alarms, limits, variable, timers, counters, keys
- Create My Menu via *Main Menu > Settings > My Menu*
- Users can see created My Menu from *Main Menu > My Menu*

### Display Brightness - To Maximize Screen Life And Viewing Comfort

- Adjustable from 1% to 100% by user
- Watlow default setting of 75%

**SCPI**

- Parameter list has been greatly expanded

**Asia Languages**

- Asian languages can be imported to any F4T unit in the field via new update
- Asia language file available from website download
- Import into controller via: *Settings > Update > Install language*
- Users can create parameters names using Asian keyboard via COMPOSER and computer

**Current Transformer Input**

- Ability to connect to additional producer items

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**Product Testimonials – What the Field is Saying About F4T 3.0**

Account feedback from large OEM using the F4T over the last 15 months: “Just spoke to their service manager and he said he has not received one call from their customers about how to use the F4T. They just start using it and it works as expected.”

Steve Ornellas  
Watlow West OSE TL

“Thanks for the training and the insight. It was a very informative presentation. Many kudos to you for such a fine product.”

Gregg Manning  
Watlow Midwest OSE

“The enhanced data logging is really nice, I can log exactly what I want. We will be including data logging and graphing with every F4T, it just makes sense.”

Large OEM –  
Environmental  
Chambers

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**Watlow Contacts:****Customer Service**

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