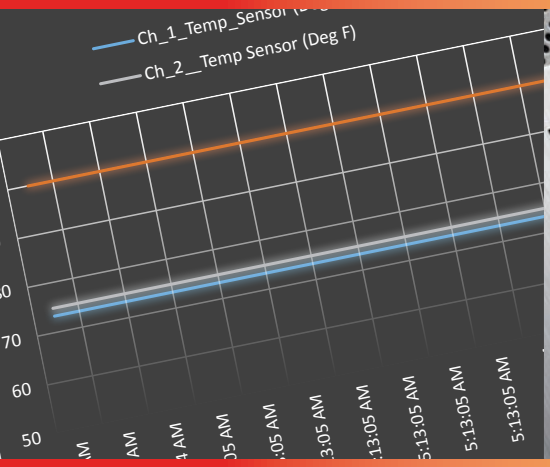
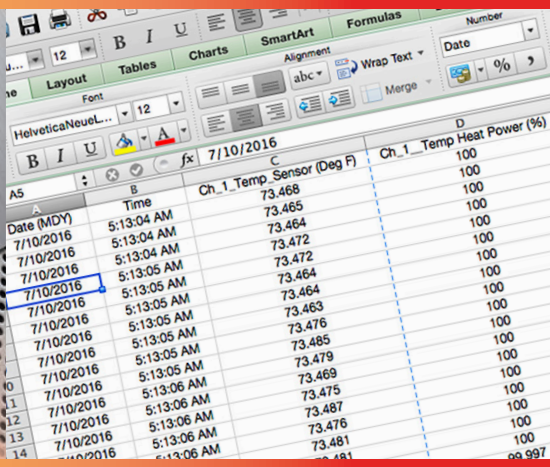
WATLOW®

Powered by Possibility

D4T WITH INTUITION

DATA LOGGER





1/4 DIN

Touch-Screen Technology

with COMPOSER® Software

Touch-Screen Technology

Easy to Use

- 4.3-inch color, graphical touch panel
- Screen personalization
- Graphical programming PC software
- Multi-language options
  - English, German, French, Italian, Spanish, Japanese Korean and Chinese
- Intuitive screen layout and menu navigation
- Channels, alarms, inputs and outputs can all be tailored to application with user-defined names
- USB wired or wireless mouse user interface
  - Use in hazardous location, dirty environments or applications with gloves

Data Logging Functions

Simple to Implement and Use

Transition to the Next Generation

- Easily complies with regulatory standards with ability to choose encrypted, .CSV or both types of file formats for tamperproof record needs
- Enables lock-out security levels for different user groups
- Simplifies record keeping management with ability to archive records to the cloud or a connected PC network
- Flexibility to pick which parameters to log from
- Ability to log from one up to 128 data logging points simultaneously
- Choose where you want to store the files - inside the controller, on a connected USB memory device or to a connected PC anywhere in the world
- Recording rate options range from as fast as 100 milliseconds or once per hour

Easily Manage Data Records

Manufacturing Environment

The D4T screen view scanning part numbers

Scan paperwork

Scan individual parts

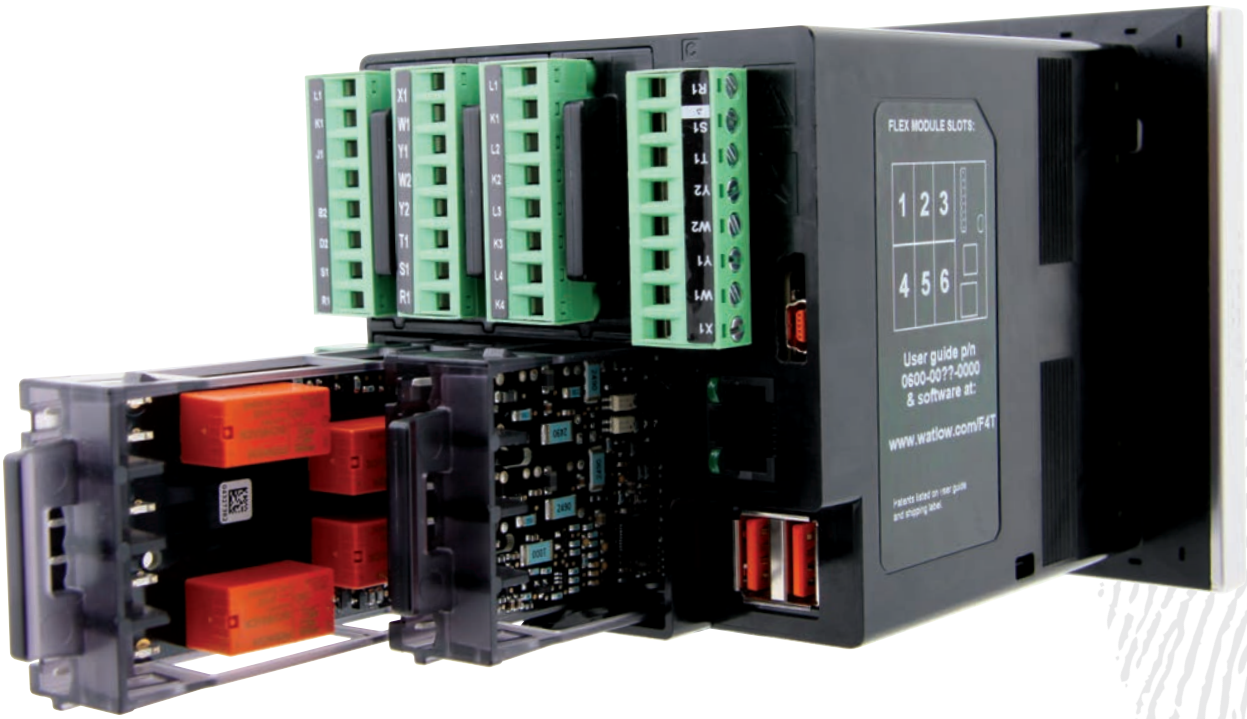
- Bar code scan input for fast and easy data entry
- Data security through password and data log encrypted file options
- Improve manufacturing robustness as controller screens ensure all necessary data is entered during processing
- Helps ensure compliance with growing regulations and minimize warranty exposure
- Improved quality control can eliminate part processing skips or walk around
- Produces formatted data record report for easy receipt or record management uses

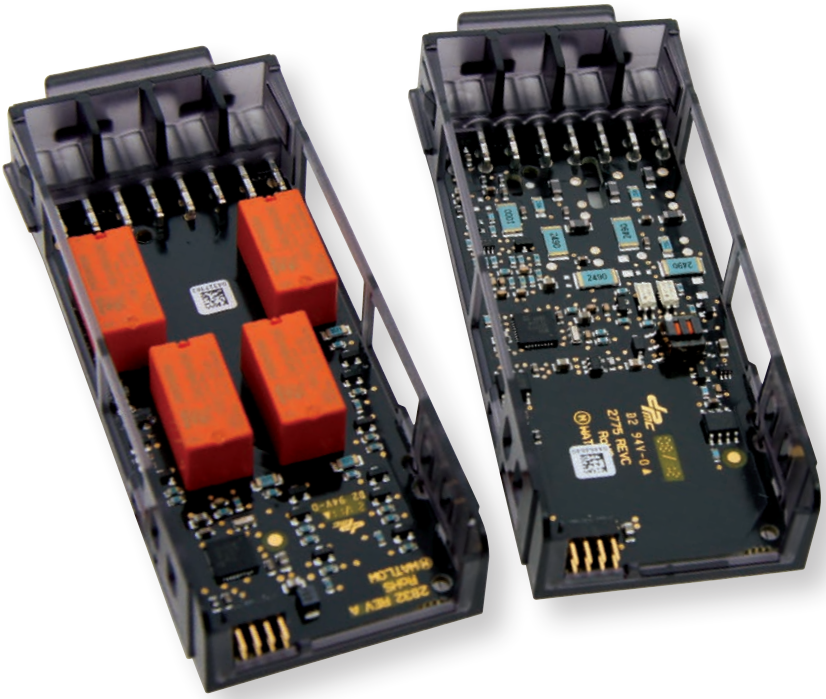
Batch file report produced

Batch Report

Device Name	F4T Station 1	11/6/2018	11:59:45 AM	
Lot Number W030131		11/6/2018	11:59:45 AM	
Profile	Test Trial #1	11/6/2018	12:00:30 AM	
Load Operator	Robert Henning	11/6/2018	11:59:52 AM	
Comment	Customer #5739	11/6/2018	11:59:57 AM	
Part Number(s)	0004-0329-0000	11/6/2018	12:00:30 AM	
	0018-0240-0000	11/6/2018	12:00:35 AM	
	0803-0092-0001	11/6/2018	12:00:40 AM	
	0843-0041-151R	11/6/2018	12:00:46 AM	
Upload Operator	Robert Henning	11/6/2018	12:04:41 AM	
Comment	Batch 3 of 3 complete	11/6/2018	12:05:23 AM	
Date (MDY)	Time	Limit_Input (Deg C)	Ch_1_Temp PV (Deg C)	Ch_2_%RH PV (RH)
11/6/2018	12:01:57 PM	27.197	23.035	73.563

Supports Fast and Flexible
Design Environment





- Field pluggable I/O, scalable in increments of one up to 24
- Programmable function blocks
- Wide library of hardware options for flexibility
- Support of custom firmware modifications
- High and low voltage power supply options
- Quick changes, additions or repair servicing with modular design

Graphical Configuration Tool

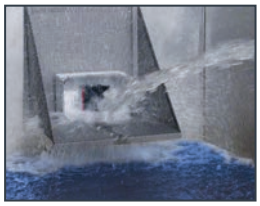
COMPOSER® PC Software

- Speeds up and simplifies product setup and commissioning
- Archives and documents data logger configuration settings
- Offers easy plug and play connection with D4T data logger
- Provides read-only view of encrypted data log file information

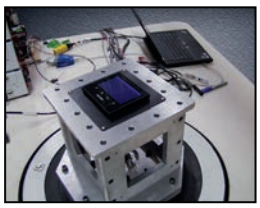
High Quality

and Reliability

High performance validated with stringent testing



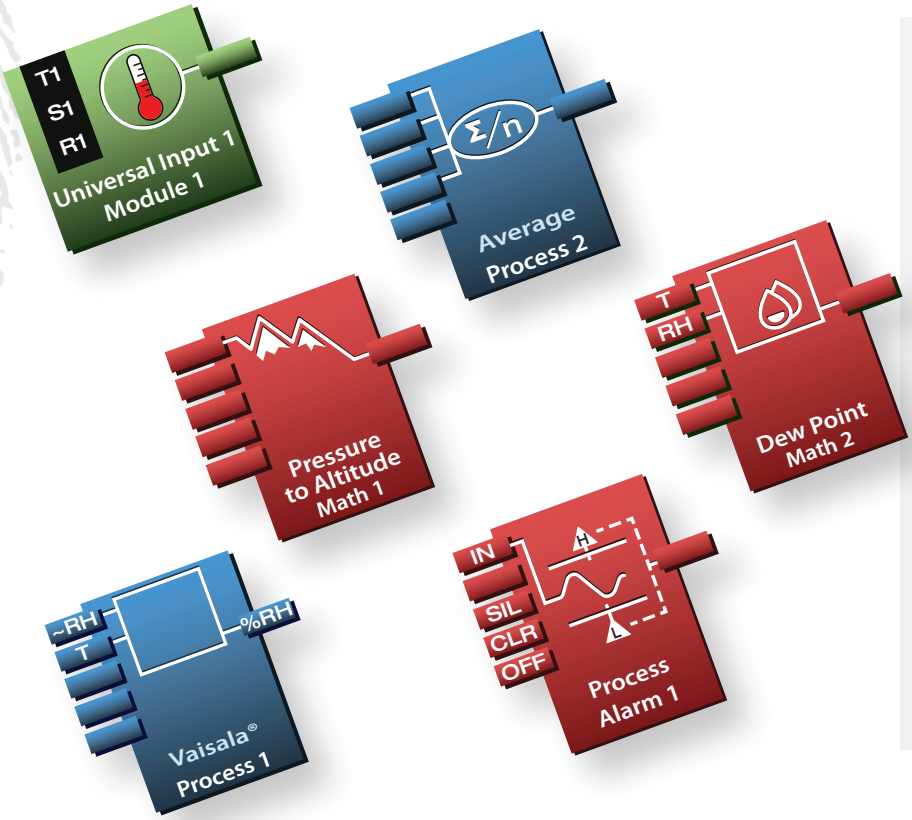
Water test



Vibration test

- Field-hardened electronics and robust algorithms already deployed in hundreds of thousands of installations worldwide
- NEMA 4X/IP65
- Agency compliance: UL®, FM, CE, RoHS, W.E.E.E.
- 0 to 122°F / -18 to 50°C ambient operating temperature

Wide Range
of Process Measurement



- Process inputs from temperature, altitude (pressure), humidity, square-root sensors and other general process inputs from analog 0-10VDC or 0-20mA sensors
- Battery backup and real-time clock
- Monitor up to 24 sensor inputs
- Math, logic, averaging, minimum, maximum and other function blocks available

Easy Connectivity and Data Mobility with
File Transfers

- Ethernet Modbus® TCP and SCPI
- Two USB host ports
- USB device port
- 232/485 Modbus® RTU
- USB port for serial communication access
- LabVIEW™ driver and SCPI protocol

WATLOW®

Find out more about Watlow and how we can provide thermal solutions for your company:

Phone: 1-800-WATLOW2 (1-800-928-5692)

Email: inquiry@watlow.com

Website: www.watlow.com
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ASH EQUIPMENT COMPANY

Your Support Office Locations:

Batavia, IL - Rockford, IL - Waukesha, WI - Appleton, WI

Phone: 800-323-5712 | Fax: 630-406-0595

www.ashequipment.com | sales@ashequipment.com

Watlow Products and Technical Support Delivered Worldwide

North American Technical Support & Sales Offices

United States & Canada 1-800-WATLOW2 (1-800-928-5692)

For Additional Information Regarding Watlow's D4T Process Controller Visit Our Website At:

www.watlow.com/d4t

Asian Technical Support & Sales Offices

China	+86 21 3532 8532
India	+91 40 6661 2700
Japan	+81 3 3518 6630
Korea	+82 2 2169 2600
Singapore	+65 6773 9488
Taiwan	+886 7 288 5168

European Technical Support & Sales Offices

Austria	+43 6244 20129 0
France	+33 1 41 32 79 70
Germany	+49 7253 9400 0
Italy	+39 02 4588841
Spain	+34 91 675 1292
United Kingdom	+44 115 964 0777

Latin American Technical Support & Sales Office

Mexico	+52 442 256 2200

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