

VersaLog™

Model:
WF-TC



16-bit analog-to-digital converter for accurate measurements

8-megabyte memory stores years of measurements

Programmable input ranges (73mV, 18mV) covers all thermocouple types

Over 10-year battery Life at 1 minute sample interval

The logger can operate as portable standalone data logger, powered by internal battery, or powered by external 5VDC power supply to connect to WiFi network

Rugged physical enclosure

Powerful software for configuration, downloading, plotting, analysis and alarm reporting

The VersaLog WF-TC is an 8-channel, battery powered, standalone and WIFI-enabled thermocouple data logger. The logger records eight external thermocouples and saves data in 8- MB memory.

Its aluminum enclosure makes it excellent in the harshest industrial environment.

Embedded WIFI module allows remote data monitoring and downloading.

16-bit ADC makes it well suited for science and laboratory applications where precise and accurate measurements are critical.

Simply power the logger in WIFI covered area and access it from your computer for configuration, downloading, graph viewing and more.

SiteView Software

SiteView is a Windows-based application which works with the VersaLog Series data loggers for downloading, configuration, data analyzing and plotting. Its user-friendly graphic interface plus powerful functionalities fit both novice and advanced users.

The versatility of custom equation and custom-line equation handles complicated measurement requirements.

- Supports USB, Serial port and Ethernet connections for easy local and remote access
- Communication speed up to 115200 bps makes downloading fast

- Real-time viewing and chart recording replaces chart recording devices
- Custom equation and custom-line equation for scientific and laboratory algorithm difficulties
- Zoom in/zoom out, annotation/label of graph functions provide detailed view of data
- Multiple file loading allows easy data comparison
- Dynamic statistics provide detailed information of current zoomed view

Technical specifications (subject to change without notice)

Inputs	
Connections	Pluggable terminal block for eight external channels
Channels	Eight external thermocouple inputs Software programmable input range selections for each channel: -8 ~ 73mV, -2 ~ 18mV
Resolution	0.0018%
Accuracy	±0.1% ~ 0.2% + T/C Accuracy @ 25°C
Temperature Compensation	On-board thermistor
Over-voltage protection	+/- 20 VDC
Alarms	
Channel Alarms	Two editable alarm thresholds per channel
Alarm Indicator	On-board LED lights in red when in alarm condition
On-Board Memory	
Capacity	8 megabytes (~4 million measurements)
Data Retention	Over 20 years
Sampling & Logging	
Sampling Interval	1 second to 12 hours user selectable
Logging Mode	Stop recording or FIFO when memory is full
Logging Activation	Programmable instant, start delay or field push-button activation
Communications	
Interface	USB(USB cable included) WIFI Module (USB wall adapter included)
WIFI Module ^[1]	Standard: 802.11b/g/n, Frequency Range: 2.412 ~ 2.484GHz Transmit Power: 11-18 dBm Receive Sensitivity: -82 to -93 dBm Security: WEP/WPA-PSK/WPA2-PSK Encryption: WEP64/WEP128/TKIP/AES Can be Enabled/Disabled by SiteView software

Battery	
Power	Built-in 3.6V Lithium Battery
Life Cycle	10 years based on 1 minute sampling interval in stand-alone mode
Software	
SiteView ^[2]	Configuration, downloading, plotting, scheduled-download, real-time view, custom calibration and custom equation
Software Requirements	Computer with 1.0 GHz or faster processor 1 GB Memory or higher 10 GB of available hard-drive space or higher Windows XP with SP2 or later, Vista, Window 7, 8, 10 At least one USB port
Physical	
Material	Aluminum enclosure
Dimension	88 X 64.2 X 24 mm (3.46 X 2.53 X 0.95 inches)
Weight	200g
Mounting	Probe/Wall-mount holes for hanging/mounting
Other	
LED Indicator	Tri-Color LED: (can be disabled for power saving) Normal Sampling: green when sampling Alarm: red when sampling Low Battery: amber when sampling
Operating Environment	-40 ~ +70°C (-40°F ~ 158°F), 0~95%RH non-condensing
Clock Accuracy	+/- 1 minute per month
Approvals	CE, FCC
Product Link	https://www.dataloggerinc.com/product/wf-tc-wifi-thermocouple-data-logger/

[1]: Must be powered by external 5VDC power supply via Mini-USB Port.

[2]: Sold separately