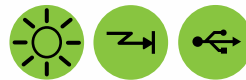


VersaLog™

Model:
TC



16-bit analog-to-digital converter meets most high-resolution requirements

4-mega byte memory stores up to 2 million measurements

One on-board thermistor channel monitors ambient temperature

Seven range programmable thermocouple voltage input channels cover wide measurement requirements

Accepts thermocouple types E, N, J, K and T

Can be accessed via USB, MODEM, or Ethernet connections with auto baud rate of up to 115 kbps

10-year battery life

Fast sampling mode

Alarm and excitation output

The VersaLog TC is an 8-channel, battery powered, stand-alone thermocouple data logger. It records the ambient temperature and the seven external thermocouple probes. Data is stored in non-volatile flash memory for later retrieval.

VersaLog TC can also be used as a small voltage data logger with the input voltage range as small as -2 mV to +12 mV.

Featuring an aluminum enclosure the VersaLog logger has excellent performance in the harshest industrial environment.

Powered by a 16-bit ADC and programmable input range, the VersaLog logger is well suited to science and laboratory applications where precise and accurate measurement is critical.

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
- Fast 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 solves 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 | |
|-------------------------|---|
| Channels | On-board thermistor reference temperature (-40°F ~ 158°F), Seven external thermocouple inputs with programmable ranges |
| Type | E, N, J, K, T |
| Accuracy | Reference Temperature : 0.36°F Thermocouple Inputs: +/- 0.2% + T/C Accuracy @ 25°C |
| Over-voltage protection | +/- 40 VDC |

| Alarms | |
|-----------------|---|
| Channel Alarms | Two editable alarm thresholds per channel |
| Alarm Outputs | ALARM1 & A2/EXT terminal strips can be configured as alarm outputs Alarm-On: MOSFET (N-Channel) switch on Alarm-Off: MOSFET (N-Channel) switch off Max Power: 200mA @ 24VDC Can report alarm status to host PC via USB, Modem or Ethernet Device Server with SiteView software ^[2] |
| Alarm-On Delay | Programmable 0 - 10 minutes delay with 1-minute increments |
| Alarm Indicator | On-board LED lights in red when in alarm condition |

| On-Board Memory | |
|-----------------|------------------------------|
| Capacity | 4MB ~ 2 million measurements |
| Data Retention | Over 20 years |

| Sampling & Logging | |
|--------------------|---|
| Sampling Interval | 20 milliseconds ^[1] 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), AUX (RJ11) for direct TTL level communications Can be connected to Ethernet for remote access with DeviceServer Kit ^[2] |
| Baud Rate | Auto-detect baud rate from 2400 to 115200 bps on both USB and AUX ports |

| Battery | |
|------------|--|
| Power | Built-in 3.6V Lithium Battery |
| Life Cycle | 10 years based on 1 minute sampling interval |

| Software | |
|-------------------------|---|
| SiteView ^[2] | Configuration, downloading, plotting, real-time view, custom calibration and custom equation |
| Software Requirements | Computer with 1.0 GHz or faster processor, 256 MB Memory or higher & 1.0 GB of available hard-drive space or higher Windows XP with SP2 or later, Vista, Windows 7, 8 At least one USB port or one COM port |

| Other | |
|-----------------------|---|
| LED Indicator | Normal Sampling: green when sampling Alarm: red when sampling Low Battery: amber when sampling |
| Excitation Control | A2/EXT terminal strip can be configured as excitation control output for powering connected devices Warm-up delay Interval settings: 10 to 240 seconds with 10-second increments |
| Operating Environment | -40 ~ +70°C (-40°F ~ 158°F), 0~95%RH non-condensing |
| Clock Accuracy | +/- 1 minute per month |
| Approvals | CE, FCC |

[1]: Maximum enabled channel: 1 for 20ms interval, 2 for 30ms, 8 for 40ms or bigger interval.

[2]: Sold separately.