Vac-TL-01
Single-Use PDF Data Logger

Inspired Technology

Product Overview

1. USB Protective Cover
2. LCD Screen
3. Button (1)
4. LED Indicator
5. Light Sensor
6. Shelf Life

(1)*Button Function Instructions:*

Operation	Function	Status Indication*
Press & Hold 5 Seconds	Start/Stop Recording	Start Recording: [Rec.] ▪ ▪ ▪ ▪ ▪ Stop Recording: [Stop] ▪ ▪ ▪ ▪ ▪
Single Click	Light Up LCD Backlight; Page Up/Down	See "Indication Instructions"
Double Click	Mark Events	Mark Success: [Mark] ▪ ▪ ▪ ▪ Mark Failure: [Mark] ▪ ▪ ▪ ▪ ▪

*The code like [Rec.] will show on logger's LCD screen to indicate status.
The red square ▪ indicates the red LED light is flashing ;
The green square ▪ indicates the green LED light is flashing ;
Each individual square indicates how many times it will blink;
Two adjoining squares like ▪▪ indicate both red and green light blink simultaneously. The same rules are applied below.*
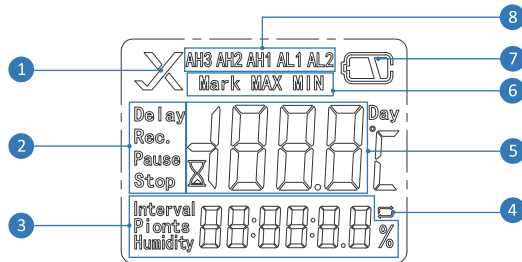
1. Alarm Status (2)
2. Working Status
3. Logging Intervals/ Recorded Points
4. Loop Mark
5. Temperature Display
6. Function Indication
7. Battery Indicator
8. Alarm Threshold (3)

(2) *Only displayed when Alarm is enabled.*
(3) *Indicates current alarm status, e.g. if temperature goes above AH1 setting, AH1 code will appear on LCD screen.*

Technical Specifications

|			
Recording Options	Single Use	**Certifications**	EN12830, CE, RoHS
Measurement Range	-30°C ~ 70°C	**Validation Certificate**	Hardcopy
Temperature Accuracy	±0.3°C(-30°C ~ +70°C) ±0.5°C(-20°C ~ +40°C), others ±1.0°C	**Reprogrammable**	Via InspiredOne software
Resolution	0.1°C	**Software**	InspiredOne Data Management Software Win / InspiredOne Mac
Data Storage Capacity	Max. 16,000 points		
Shelf Life / Battery	2 years/CR2450 button cell (4)	**Compatible OS**	Mac OS 10.10 or higher Windows XP/7/10
Recording Interval	User Programmable		
Recording Duration	User Programmable	**Report Generation**	Automatic PDF report
Start Mode	Button or software	**Password Protection**	Software Password Protection
Stop Mode	Button, software or stop when full	**Connection Interface**	USB 2.0 (Standard Type A Connector)
Protection Class	IP65	**Alarm Configuration**	Optional, up to 5 thresholds

Configuration

01 Software Configuration

If you want to use **InspiredOne** software to configure data logger, please download from www.inspiredtechnology.co. then install and open the software.
Connect the logger to USB port of computer, wait until " ∪ " shows on LCD screen of the logger. Software will connect and sync the logger automatically,then user could start configuring.
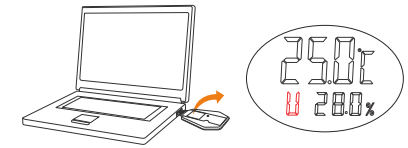
Operations
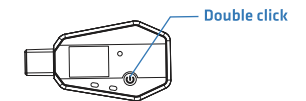
01 Start Mode

Press Button 5 seconds
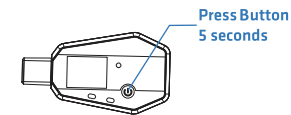
Manual start: Press and hold button for 5 seconds to start recording. If you set Start Delay, logger will start recording after delay time elapses.
Auto start: Logger will start recording automatically or on specific date/time configured by user, 2 options are available:
- If you set **Immediate Start**,logger will start recording immediately after remove it form the comperature.
- If you set **Timing Start**,logger will start recording automatically on the scheduled date and time.
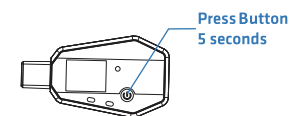
If logger starts normally, green LED light will blink once every 10 seconds; If alarm is triggered, green LED light will STOP and red LED light will blink once every 10 seconds.

03 Stop Recording

Press Button 5 seconds

Manual stop: Press and hold button for 5 seconds to stop recording.
Auto stop: If you set "Stop by button" to "off", the logger will stop automatically when it reaches the maximum storage points.

02 Mark Events

Double click

During recording, if you want to mark an events, please double click the button to mark current temperature and time.
A maximum of 10 marks are available to be added.
If you add a mark successfully, LCD screen will display "Mark", "current mark numbers" and "SUC".

04 Download Data

InspiredOne Software: Open InspiredOne Software, connect logger to computer, wait until LCD screen shows "U" to indicate USB connection has been established successfully between the logger and computer.

All data should be automatically loaded to **InspiredOne** Software for users to view and analyze. If auto load fails, please click "Read Data" on **InspiredOne** to manually establish connections.

Without Software: Data logger has automatic PDF report generation function. If you cannot use software, please connect the logger to computer, wait until LCD screen displays "U".
A removable storage disk named **InspiredOne** will be generated. There will be PDF report inside the disk, please copy it to your computer and view it.
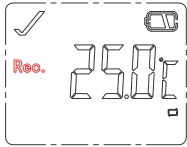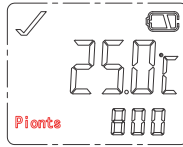
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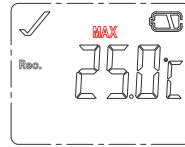**Inspired Technology**

1. Other LCD Page Indications:

A single click on the button allows browsing each LCD page.
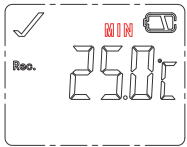

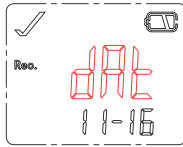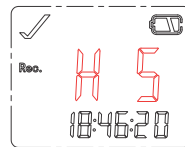1. Current Temperature

2. Recorded Points

3. Maximum Temperature

4. Minimum Temperature

5. System Date: Month-Day

6. System Time: Hour:Minute

2. Meaning of LED blinks

Single click the button, LED light will blink and you may check logger status based on it.

LCD displays...	LED blinks as...	Indicates status...
	🟩	Not Started
Delay	🟩🟥	Delayed Start/Timing Start
✓ Rec.	🟩	Started - OK
✗ Rec.	🟥	Started - Alarm
✓ Stop	🟩🟩	Stopped - OK
✗ Stop	🟥🟥	Stopped - Alarm

Important!

- ➋ Please read this User Manual carefully before you use data logger.
- ➋ Please store the data logger under room temperature.
- ➋ The logger can NOT be re-configured once you start it.
- ➋ If battery indicator icon on LCD screen only display half of the icon, please do not use the logger for long-distance transport.
- ➋ You do NOT need to stop logger for data viewing. Just connect logger to computer and open the temporarily generated PDF report in "InspiredOne" disk to view the data.
- ➋ The LCD screen will turn off automatically after 15 seconds of inactivity. Just a single click on the button can light up the screen.
- ➋ Vac-TL-01 series should avoid contact with unstable chemical solvents or other organic compounds especially should avoid long-term storage or exposure to environment that contains high concentrations of ketene, acetone, ethanol, isopropanol, toluene and etc.
- ➋ The data logger is ideal to monitor and record temperature during storage and transportations for pharmaceuticals and other products. It can be used widely in all parts of warehousing, logistics and cold chain.

CAUTION
TEMPERATURE MONITORING

Vac-TL-01
HERE

Alarm threshold _____ □°C □°F

LOG CYCLE _____

LOG INTERVAL _____

START DELAY _____

SHIPPER _____

CONTAINER NO. _____

TRUCK NO. _____

REF NO. _____

CONTENTS _____

LOGGER SERIAL NO. _____

START TIME _____

DEPARTURE PORT _____

ARRIVAL PORT _____