SPECIFICATIONS

Range:	–30.0 to 70.0°C (–22.0 to 158.0°F)
Resolution:	0.1°C
Accuracy:	±0.5°C/±0.9°F (–20 to 40°C);
	±1°C/±1.8°F for remainder
Start Delay:	30 minutes
Alarm Delay:	5 minutes
Memory capacity:	16,000 points (max)
Alarm:	LED alarm
Power Supply:	3.0V CR2450 lithium battery
IP Rating:	IP67

Storage: Store logger at room temperature before use.
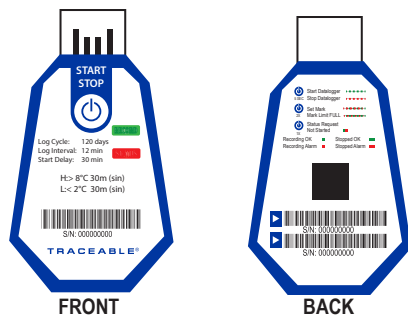
TECHNICAL PARAMETERS

Datalogger is supplied with pre-programmed parameters.

DESCRIPTION

TraceableOne™ Single-Use USB Datalogger Thermometer is a single-use, electronic temperature data recorder specifically designed for measuring environmental temperatures during transportation of refrigerated vaccines, biological material, chemicals, pharmaceuticals, and for documenting the transportation of perishable commodities.

WARNING: Do not immerse datalogger in ethanol, oleic acid and other corrosive liquids.
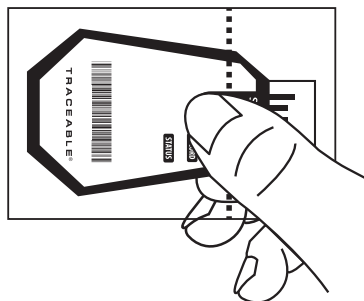

FRONT   **BACK**

FEATURES

START/STOP BUTTON – Starts/Stops Datalogger.
LOG CYCLE – Indicates preset number of days logger will record once it has been initialized.
LOG INTERVAL – Indicates how often preset logger will record a reading.
START DELAY – Indicates preset time delay before data begins recording after user presses START button.
RECORD LED – Indicates logger has begun recording data, (see RECORD LED for more information).
STATUS LED – Indicates logger has stopped recording data, (see STATUS LED for more information).
H:>: Indicates the preset HIGH alarm limit threshold.
L:<: Indicates the preset LOW alarm limit threshold.
S/N: Unique serial number, also featured on a removable, adhesive label located on back.
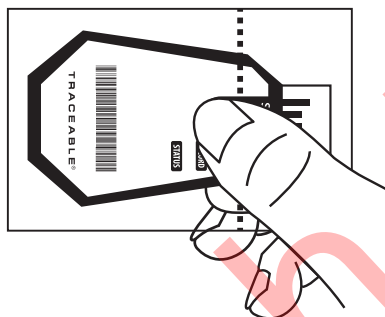
OPERATION

1 **START LOGGING** Press and hold START/STOP button for 5 seconds to start logging. Green LED will flash 5 times. Place logger with materials to be monitored.

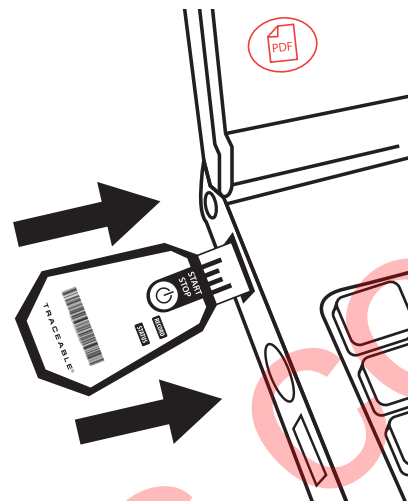**NOTE:** Adhesive on back of unit is designed to conveniently place logger on any surface.

2. Once Logger has arrived at its final destination. **STOP LOGGING**. Press and hold START/STOP button for 5 seconds to stop logging. Red LED will flash 5 times.
3. To download and view PDF report, tear open protective plastic sleeve at perforation to expose USB.

4. Insert logger into a computer's USB port to view PDF report.
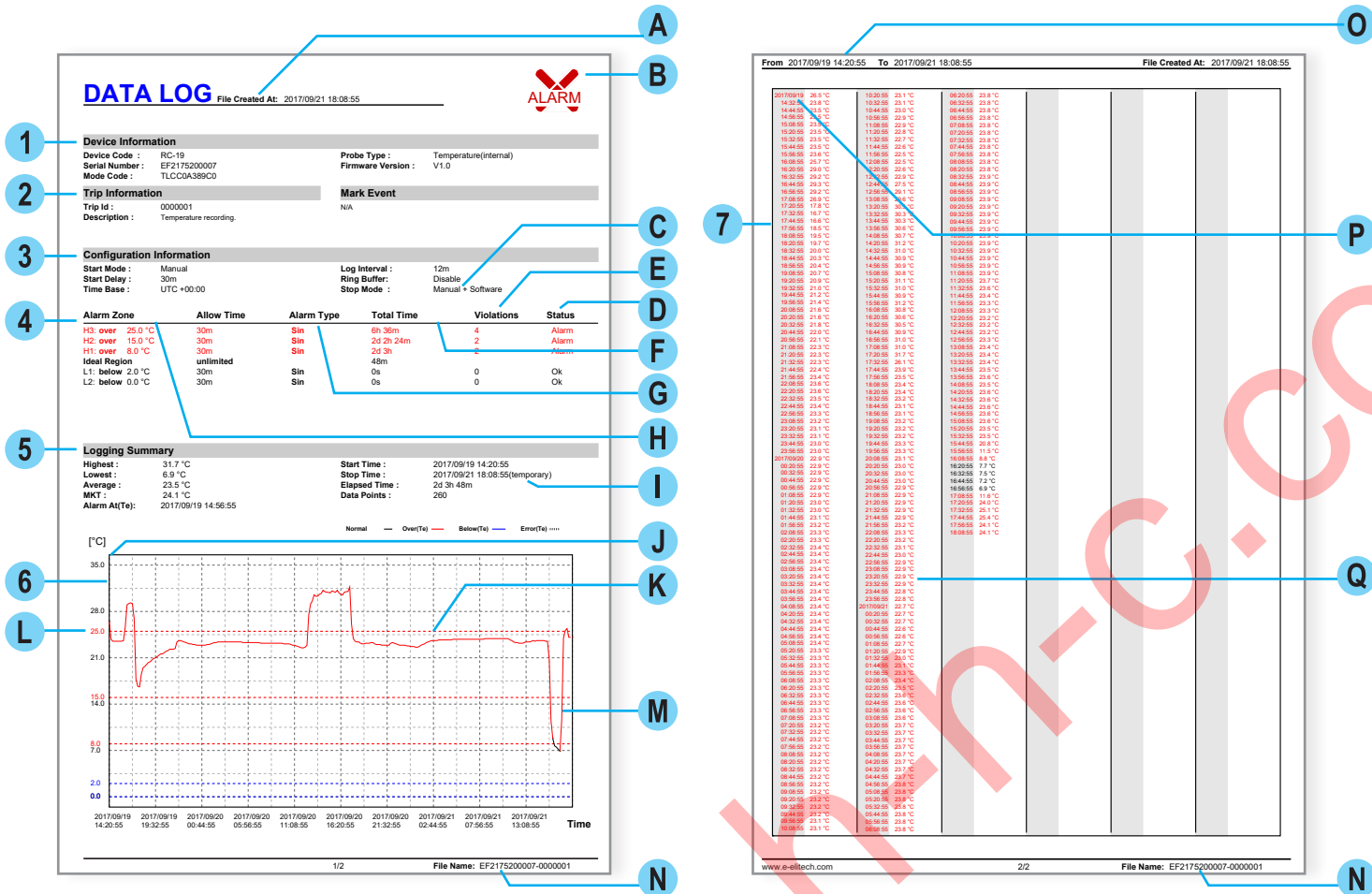
LOGGER STATUS INDICATOR

PRESS	DESCRIPTION	LED INDICATOR
Hold for 5 seconds	**TO START LOGGER**	Green LED Flashes while logging (flashes once per min)
	TO STOP LOGGER	Red LED Flashes while NOT logging (flashes once per min)
2 Times	**SET MARK** (see description below)	Red and Green LED Flash simultaneously
	MARK LIMIT FULL	Red and Green LED Flash
1 Time	**STATUS REQUEST NOT STARTED**	Red and Green LED Flash simultaneously

SET MARK

Press START/STOP button 2 times in rapid succession to place a mark in the data report.

NOTE: Use SET MARK to mark a specific event, such as, arrival, or departure, or to acknowledge some other factor needing digital reporting. When logger is full or reaches full capacity of Marks, both Red and Green LED will flash simultaneously 3 times.

DATA LOG

File Created At: 2017/09/21 18:08:55

ALARM

1 Device Information
Device Code :	RC-19	Probe Type :	Temperature(internal)
Serial Number :	EF2175200007	Firmware Version :	V1.0
Mode Code :	TLCC0A389C0		

2 Trip Information
		Mark Event	
Trip Id :	0000001	N/A	
Description :	Temperature recording.		

3 Configuration Information
Start Mode :	Manual	Log Interval :	12m
Start Delay :	30m	Ring Buffer :	Disable
Time Base :	UTC +00:00	Stop Mode :	Manual + Software

4
Alarm Zone	Allow Time	Alarm Type	Total Time	Violations	Status
H3: over 25.0 °C	30m	Sin	6h 36m	4	Alarm
H2: over 15.0 °C	30m	Sin	2d 2h 24m	2	Alarm
H1: over 8.0 °C	30m	Sin	2d 3h	2	Alarm
Ideal Region	unlimited		48m		
L1: below 2.0 °C	30m	Sin	0s	0	Ok
L2: below 0.0 °C	30m	Sin	0s	0	Ok

5 Logging Summary
Highest :	31.7 °C	Start Time :	2017/09/19 14:20:55
Lowest :	6.9 °C	Stop Time :	2017/09/21 18:08:55(temporary)
Average :	23.5 °C	Elapsed Time :	2d 3h 48m
MKT :	24.1 °C	Data Points :	260
Alarm At(Te):	2017/09/19 14:56:55		

Normal — Over(Te) — Below(Te) ······ Error(Te) ·······

[°C]

35.0
28.0
25.0
21.0
15.0
14.0
8.0
7.0
2.0
0.0

2017/09/19 14:20:55 2017/09/19 19:32:55 2017/09/20 00:44:55 2017/09/20 05:56:55 2017/09/20 11:08:55 2017/09/20 16:20:55 2017/09/20 21:32:55 2017/09/21 02:44:55 2017/09/21 07:56:55 2017/09/21 13:08:55 **Time**

1/2   File Name: EF2175200007-0000001

From 2017/09/19 14:20:55   To 2017/09/21 18:08:55   File Created At: 2017/09/21 18:08:55

www.e-elitech.com   2/2   File Name: EF2175200007-0000001

REPORT

1. Basic Device Information
2. Trip Information—Description of the usage
3. Configuration Information
4. Alarm Threshold and related statistics
5. Logging Summary—Statistics
6. Temperature Data Chart
7. Temperature Data Details

A. Document creation time (record stop time)

B. Alarm (Alarm status as shown in the figure)

C. The set stop mode

D. Alarm status of the alarm zone

E. Total times of exceeding alarm thresholds

F. Total time of exceeding alarm thresholds

G. Alarm delay and alarm type

H. Alarm thresholds and alarm zones

I. Actual stop mode (different from the item C)

J. Vertical coordinate unit of the data graph

K. Alarm threshold line (corresponding to the item L)

L. Alarm threshold

M. Data curve

Note: Red indicates ultra-high temperature; blue indicates ultra-low temperature; black indicates others.

N. Document Name (Serial number & Usage ID)

O. Record time range in the current page

P. Records when date changes (date & temperature)

Q Records when the date does not change (time & temperature)