

# User Manual – RC-18/19

## Single-Use Temperature Logger

### Notes

- When RC-18/19 logger is stopped and connected to the computer the first time, both LEDs are flashing to indicate the PDF report is in process of generation. At this time, please do not unplug the logger until both LEDs are on, which indicates the finished PDF generation.
- A stopped RC-18/19 logger cannot be started again.
- Do not place RC-18/19 logger into corrosive liquid or expose to direct heat.
- The battery of RC-18/19 loggers is a non-exchangeable CR2450 lithium battery.
- Store RC-18/19 loggers under room temperature conditions and do not use expired devices
- Please dispose RC-18/19 loggers in accordance with local laws and regulations (electronic waste).
- To reprogram RC-18/19 loggers, you need the ElitechLog Win (V1.0.0 or newer) and ElitechLog Mac (V1.0.0 or newer) Please follow the instructions in the extra manual, or visit [www.elitechlog.com](http://www.elitechlog.com) for further information.

### 1:1 Time Zone Conversion Table

The standard time of RC-18/19 is UTC±0:00 To match your local time, please note the time difference.

Value	Time Zone
(UTC + 14:00)	Line Islands, Kiribati
(UTC + 13:00)	Nuku'alofa
(UTC + 12:00)	Auckland, Wellington, Fiji, Karnchatka, Marshall Is.
(UTC + 11:30)	Norfolk Island
(UTC + 11:00)	Magadan, Solomon Is., New Caledonia
(UTC + 10:30)	Lord Howe Island
(UTC + 10:00)	Brisbane, Canberra, Melbourne, Sydney, Hobart, Vladivostok, Guam, Port Moersby
(UTC + 09:30)	Darwin, NT, Australien, Adelaide, SA, Australien
(UTC + 09:00)	Yakutsk, Osaka, Sapporo, Tokyo, Seoul, Adelaide, Darwin
(UTC + 08:00)	Perth, Taipei, Kuala Lumpur, Singapore, Irkutsk, Ulaan Bataar, Beijing, Chongqing, Hong Kong, Urumqi
(UTC + 07:00)	Krasnoyarsk, Bangkok, Hanoi, Jakarta
(UTC + 06:30)	Myanmar, Rangun, Myanmar, Kokosinseln
(UTC + 06:00)	Astana, Dhaka, Yangon (Rangoon), Almaty, Novosibirsk
(UTC + 05:45)	Nepal, Kathmandu
(UTC + 05:30)	Indien, Neu Delh, Mumbai, Kalkutta, Adamanen-Inseln, Nicobar-Inseln
(UTC + 05:00)	Ekaterinburg, Chennai, Kolkata, Mumbai, New Dehli, Kathmandu, Islamabad, Karachi, Sri Jayawardenepura, Tashkent
(UTC + 04:30)	Afghanistan
(UTC + 04:00)	Kabul, Abu Dhabi, Muscat, Yerevan, Baku, Caucasus Standard Time
(UTC + 03:30)	Teheran, Iran
(UTC + 03:00)	Moscow, St. Petersburg, Volgograd, Tehran, Tbilisi, Nairobi, Baghdad, Kuwait, Riyadh
(UTC + 02:00)	Minsk, Cairo, Helsinki, Kyiv, Riga, Sofia, Tallinn, Vilnius, Athens, Bucharest, Istanbul, Jerusalem, Amman, Beirut, Harare, Pretoria
(UTC + 01:00)	Brussels, Copenhagen, Madrid, Paris, West Central Africa, Sarajevo, Skopje, Warsaw, Zagreb, Belgrade, Bratislava, Budapest, Ljubljana, Prague
(UTC ± 00:00)	Dublin, Edinburgh, Lisbon, London, Monrovia, Reykjavik, Casablanca (standard time of RC-18/19)
(UTC - 01:00)	Azores, Cape Verde Is.
(UTC - 02:00)	Mid-Atlantic
(UTC - 03:00)	Buenos Aires, Brasilia, Greenland, Moncton, Newfoundland, Georgetown
(UTC - 03:30)	Newfoundland, Kanada, Surinam
(UTC - 04:00)	Atlantic Time (Canada), Manaus, Santiago, La Paz, Caracas
(UTC - 05:00)	Eastern Time (US & Canada), Bogota, Lima, Quito, Rio Branco
(UTC - 06:00)	Central Time (US & Canada), Guadalajara, Mexico City, Monterrey, Central America
(UTC - 07:00)	Mountain Time (US & Canada), Arizona, Chihuahua, La Paz, Mazatlan
(UTC - 08:00)	Pacific Time (US & Canada)
(UTC - 09:00)	Alaska
(UTC - 10:00)	Hawaii
(UTC - 11:00)	Midway Island, Samoa
(UTC - 12:00)	International Date Line West

# RC-18/19



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*Elite of technology*

**SHIPPER** \_\_\_\_\_

**CONTAINER NO.** \_\_\_\_\_

**TRUCK NO.** \_\_\_\_\_

**B/L NO.** \_\_\_\_\_

**REF NO.** \_\_\_\_\_

**CONTENTS** \_\_\_\_\_

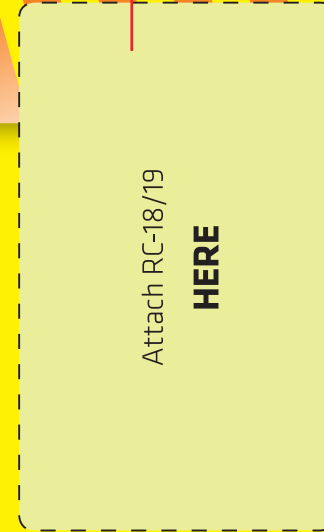
**LOGGER SERIAL NO.** \_\_\_\_\_

**START DATE** \_\_\_\_\_

**START TIME** \_\_\_\_\_

**DEPARTURE PORT** \_\_\_\_\_

**ARRIVAL PORT** \_\_\_\_\_

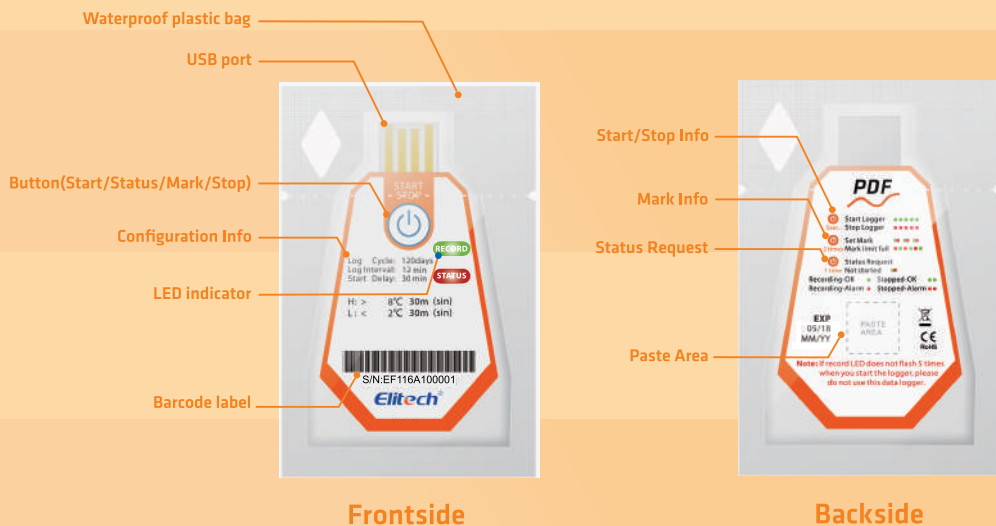


TEMPERATURE REQUIRED \_\_\_\_\_

□ °C □ °F

**CAUTION**

TEMPERATURE MONITORING



Note: The picture is for reference only. Any discrepancy in future, please adhere to the final product.

## Product Overview

This document describes specific validation procedures for RC-18/19 data loggers, for the purpose to ensure the proper operation and provide a reliable temperature and time record during transportation and storage.

### Technical Specifications

<b>Recording Options</b>	Single-Use
<b>Temperature Range</b>	-30°C to 70°C
<b>Temperature Accuracy</b>	±0.5 (-20°C/+40°C); ±1.0 (other range)
<b>Temperature Resolution</b>	0.1°C
<b>Data Storage Capacity</b>	16,000 readings
<b>Shelf Life / Battery</b>	2 years <sup>1</sup> / CR2450 button cell
<b>Recording Interval</b>	6 minutes (standard, others on request)
<b>Recording Duration</b>	up to 180 days <sup>2</sup> (standard, others on request)
<b>Startup Mode</b>	Button or software
<b>Stop Mode</b>	Button, software or stop when full
<b>Protection Class</b>	IP67 / NEMA 6
<b>Dimensions</b>	80mm x 48mm x 5.8mm (L x W x H)
<b>Weight</b>	Approx. 15g

<b>Certifications</b>	EN 12830, CE, RoHS
<b>Validation Certificate</b>	Hardcopy and PDF file in memory
<b>Software</b>	ElitechLog Win (V1.0.0 or newer) ElitechLog Mac (V1.0.0 or newer)
<b>Report Generation</b>	Automatic PDF
<b>Password Protection</b>	Optional on request
<b>Connection Interface</b>	USB 2.0, A-Type
<b>Alarm Configuration</b>	Optional, up to 5 points
<b>Reprogrammable</b>	ElitechLog Win (V1.0.0 or newer) ElitechLog Mac (V1.0.0 or newer)
<b>Accessories incl.</b>	Shipping Documents, Certificate, Reprogram Label and Seal-Bag

- 1 Depending on optimal storage conditions (+15°C to +23°C / 45% to 75% RH)
- 2 Depending on application temperature (very low / high temperatures may shorten it)

## Operation Instructions



## Operation Indication

### Start / Stop

Status	Action	LED confirmation
Start Logger	5 sec pushing button	RECORD LED flashing 5 times ●●●●●
Set Mark	double-click button	STATUS LED + RECORD LED flashing 5 times ●●●●●
Stop Logger	5 sec pushing button	STATUS LED flashing 5 times ●●●●●

### Status Request by pushing Button 1 time

Status	Action	LED confirmation
Not Started	push button 1 time	STATUS LED + RECORD LED flashing 1 time ●●
Recording - OK	push button 1 time	RECORD LED flashing 1 time ●
Recording - Alarm	push button 1 time	STATUS LED flashing 1 time ●
Stopped - OK	push button 1 time	RECORD LED flashing 2 times ●●
Stopped - Alarm	push button 1 time	STATUS LED flashing 2 times ●●