

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 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, Hobard, 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 Jayawardanepura, 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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SHIPPER _____

CONTAINER NO. _____

TRUCK NO. _____

B/L NO. _____

REF NO. _____

CONTENTS _____

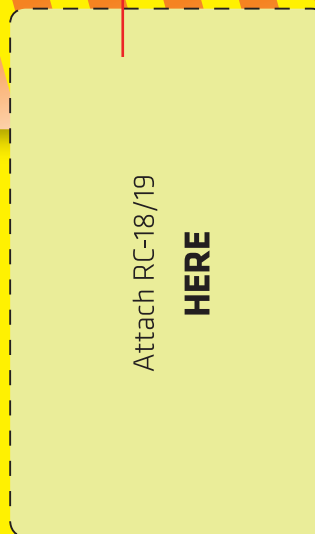
LOGGER SERIAL NO. _____

START DATE _____

START TIME _____

DEPARTURE PORT _____

ARRIVAL PORT _____

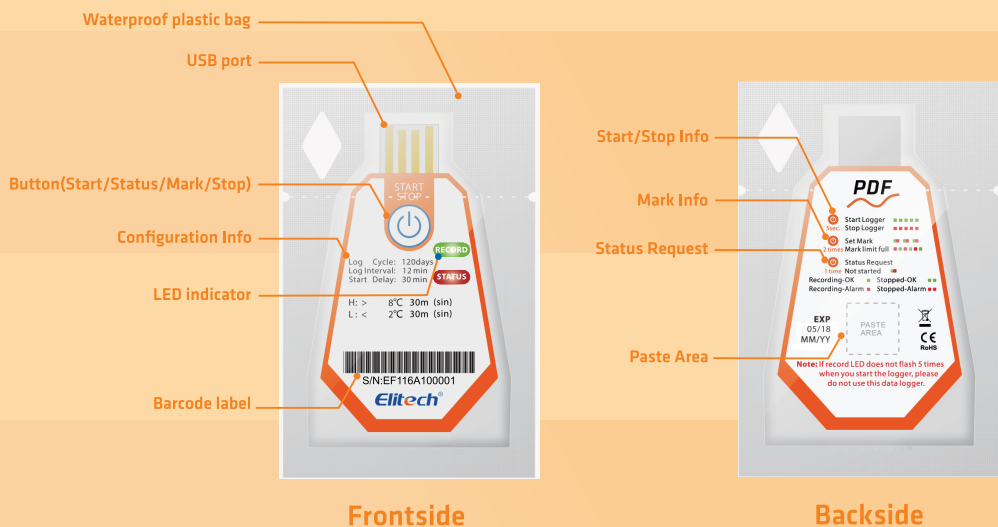


TEMPERATURE REQUIRED _____

□ °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

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

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

- 01 Press button** Keep button pressed for minimum 5 seconds to start recording. Then RECORD LED flashes 5 times, which indicates a successful starting. If STATUS LED is lit for 3 seconds, please do not use the logger (indicating low battery)! Tear off serial number label for your reference.
- 02 Press button** Press button once at any time to check current status of the logger. Double-click button to set a mark in the report. See details of these optional features in tables below.
- 03 Press button** Keep button pressed for minimum 5 seconds to stop recording. Then STATUS LED flashes 5 times, which indicates a successful stopping.
- 04 Tear off** After stopping record, tear off the transparent plastic cover and connect the logger to a USB port of the computer. The PDF and report will be generated automatically and can be found in the device's folder.

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 ●●