

Elitech Tlog 100EL External Cryo Temp -196°C Temperature Data Logger



Quick Measurement



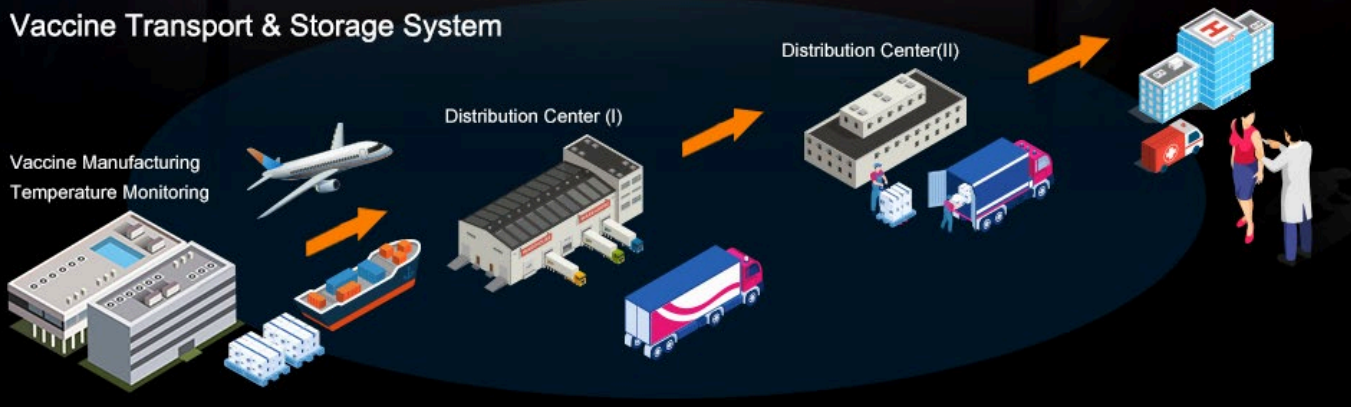
High Precision



Software Certificated



Vaccine Transport & Storage System



PDF REPORT



Calibration Date & Expiration Date



CERTIFICATE OF CALIBRATION			
MODEL	GP-40	CALIBRATION DATE	01/06/2021
SERIAL No.	09121102021	EXPIRATION DATE	01/06/2023
STATEMENT OF CALIBRATION The product mentioned on the following page has been thoroughly tested, calibrated and met performance accuracy specifications over the stated ranges.			
REFERENCE EQUIPMENT Low temperature testing equipment, model K1010 accuracy 0.01°C Constant temperature through, model K1010 accuracy 0.01°C Temperature and humidity chamber, model CA-100 accuracy 0.1°C The above reference instruments have been calibrated by the China National Accreditation Council for Conformity Assessment and can be traced back to the National Institute of Standards and Technology (NIST) under multiple accreditation agreements.			
Temp Accuracy	-20° to +60°C/0.1°C	Humidity Accuracy	20%RH to 90%RH
Validation	Indicated	Variance	Result
+40°C	40.0°C	0.0°C	PASS
+20°C	20.0°C	0.0°C	PASS
+0°C	0.0°C	0.0°C	PASS
-20°C	-20.0°C	0.0°C	PASS
-40°C	-40.0°C	0.0°C	PASS
Validation	Indicated	Variance	Result
70%RH	70.0%RH	0.0%RH	PASS
60%RH	60.0%RH	0.0%RH	PASS
50%RH	50.0%RH	0.0%RH	PASS
40%RH	40.0%RH	0.0%RH	PASS
30%RH	30.0%RH	0.0%RH	PASS
20%RH	20.0%RH	0.0%RH	PASS
Elitech Technology, Inc. 25128 Gurnee Dr. Ste 2 San Jose, CA 95131 USA			
INSPECTED BY			J. J. J.

Elitech Tlog 100EL Temperature Data Logger Reusable Ultra Low Temperature Recorder is used to monitor and record the temperature for foods, pharmaceuticals, dry ice and other products during their storage and transport, and in each stage of cold chain logistics, such as refrigerated contain-ers/ trucks, cooler bags, cooling cabinets, medical cabinets, freezers, and laboratories.

Elitech Tlog 100EL supports an ultra low temperature range for logging data, and it features a built-in mini USB port, LCD screen and two buttons designed to prevent accidental touches. You can view device status and parameters by button press, or customize various parameters, such as start/stop modes, multiple thresholds, and storage modes. You can also view automatically generated PDF report without using the ElitechLog software.

Features

- **【Multi-use and High Recording Capacity】** Up to 32,000 temperature points.
- **【Plug and Read】** No cable or reader required, the USB connector enables quick connection to PCs to download data.
- **【High-precision External Temperature Sensor】** A wide temperature range from -121°F to 185°F with high accuracy, up to $\pm 0.6^{\circ}\text{F}$, more suitable for a variety of temperature sensitive products.
- **【PDF Report】** Auto encrypted and generated PDF report with password protection function; Personalized settings and management provided by free Elitechlog software.
- **【Long Working Life】** Adopting a replaceable lithium battery, it can be stored and used within 2 years*.

Specifications

- Measuring range: $-196^{\circ}\text{C}\sim+150^{\circ}\text{C}$ ($-320.8^{\circ}\text{F}\sim+302^{\circ}\text{F}$); Resolution: $0.1^{\circ}\text{C}/0.1^{\circ}\text{F}$
- Accuracy: $\pm 0.3^{\circ}\text{C}$ ($-20^{\circ}\text{C}\sim+40^{\circ}\text{C}$); $\pm 0.5^{\circ}\text{C}$ ($-50^{\circ}\text{C}\sim+85^{\circ}\text{C}$); $\pm 1^{\circ}\text{C}$ ($-100^{\circ}\text{C}\sim+150^{\circ}\text{C}$); $\pm 2^{\circ}\text{C}$ (others)
- Sensor type: External temperature sensors
- Memory: 32000 points (MAX)
- Logging interval: 10 seconds ~ 24 hours (10 minutes by default)
- Start mode: Button or software
- Stop mode: Button, software or stop when full
- Dimensions: 115.5mmx47mmx16.2mm (LxWxH)
- Alarm type: Single/Cumulative
- Data transmission: USB port
- Report type: PDF format
- Battery: CR2450 3.0V single use lithium battery
- Battery life: 2 years (stored and used in normal temperature environment)
- Protection grade: IP67
- Weight: 70g

Package includes

- 1 x Data Logger
- 1 x [User Manual](#)
- 1 x Calibration Certification

Note

- A calibration certificate issued by the Elitech quality department center is included with every data logger.
- For a certificate issued by a third party, please make sure to select "ISO 17025 Certified" in the variation when purchasing your data logger. This calibration certificate is issued by a laboratory that conforms to International Organization for Standardization (ISO) 17025 international standards for calibration testing and traceability.

- Note:** For most of the product from Elitech you purchase that includes an ISO verification certificate, we need to send the product to a third-party ISO agency for verification, which will prolong the overall logistics process by 1-3 weeks. If you have stringent needs regarding the delivery time, please be careful to purchase products that include ISO verification certificates. We'd like to remind the customers who urgently need our products that all our loggers also come with a calibration certificate from the factory.



Sensor Type	Internal Temperature	External Temperature	Internal Temperature and Humidity	External Temperature and Humidity	External Cryogenic	External Cryogenic
Temperature Measuring Range	-30°C~70°C (-22°F~158°F)	-40°C~85°C (-40°F~185°F)	-30°C~70°C (-22°F~158°F)	-40°C~85°C (-40°F~185°F)	-85°C~150°C (-121°F~302°F)	-196°C~150°C (-320.8°F~302°F)
Temperature Accuracy	±0.3°C (-20°C~40°C), ±0.5°C(others)	±0.3°C (-20°C~40°C), ±0.5°C(others)	±0.3°C (-20°C~40°C), ±0.5°C(others)	±0.3°C (-20°C~40°C), ±0.5°C(others)	±0.3°C (-20°C~40°C), ±0.5°C (-50°C~85°C), ±1°C (-100°C~150°C), ±2°C(others)	±0.3°C (-20°C~40°C), ±0.5°C (-50°C~85°C), ±1°C (-100°C~150°C), ±2°C(others)
Humidity Measuring Range	-	-	10%RH~90%RH	10%RH~90%RH	-	-
Humidity Accuracy	-	-	±3%RH(25°C:20% RH~80%RH), ±5%RH(others)	±3%RH(25°C:20% RH~80%RH), ±5%RH(others)	-	-