

HotLog Data Logger

Validating safety and compliance from pasteurization to pharmaceuticals

HotLog high-temperature data loggers (140 °C) provide accurate, traceable temperature records to ensure safety, compliance, and quality in critical processes and harsh environmental conditions. Used across industries from food production to pharmaceuticals and life sciences, they validate high-heat applications such as cooking, baking, pasteurization, sterilization, autoclaves, and depyrogenation ovens, by delivering precise temperature monitoring, HotLog helps manufacturers safeguard product quality, verify process control, and meet regulatory standards with confidence.



ACCDHL



Product Features:

- Waterproof and pressure-tight up to 10 bar (IP68, 24 h) or 145 PSI
- Made of food-grade stainless steel (AISI 316L)
- Large memory capacity for 60,000 measurements
- Temperature-triggered start/stop recording possible
- Store multiple recordings (up to 500 depending on interval and duration)
- Adjustable memory interval: 1 second to 24 hours
- Automatic calculation of F0 and L-value
- High accuracy: $\pm 0.25^{\circ}\text{C}/0.45^{\circ}\text{F}$
- Battery can be replaced independently
- Submersible
- Probes lengths varying from internal to 150mm/9.5"

Applications:

- Monitoring temperatures during sterilization, pasteurization, and other processes up to 140°C
- Suitable for food, pharmaceutical, and laboratory use
- Sterilization/Pasteurization drop-down tool
- Determination of F0 and L-values in food safety
- Monitoring and recording in medical, pharma, and food production sectors
- Quality control during production or sterilization

Technical Data

*A suitable interface (available as an accessory ACCDHLINTERFC) is required to program the data logger and evaluate data.

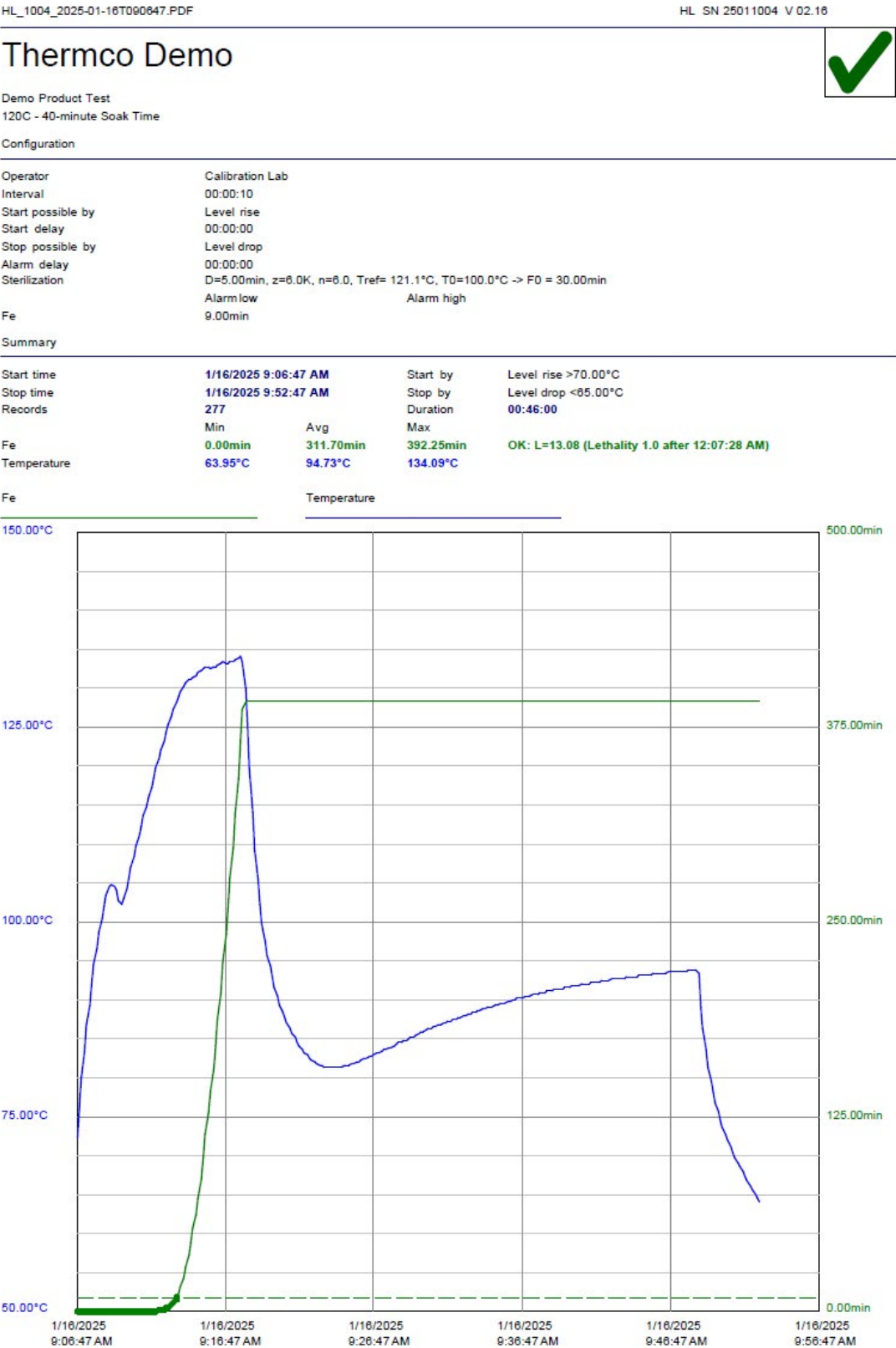
Interface	USB Via Readout Unit	
Power Supply	LiSoCIn 3.6V 1/2AA High Temp battery. Battery disclaimer: Do not exceed specified temperature limit (140°C) which can destabilize internal chemistry and increase risk of fire or explosion. Do not puncture, crush or otherwise damage battery; keep away from metal objects to prevent short circuits. Only replace with battery of same specifications. User acknowledges they have read and understand risks and accepts full responsibility for any and all risks.	
Battery Life	Approx. 3 years standby or ~5,000,000 measurements	
Housing	AISI 316L stainless steel, silicone sealing ring	
Dimensions & Weight	HL 0.906" X Ø 1.625", 2.64 oz HL10 0.906" X Ø 1.625" + 0.39" x Ø 0.15", 2.64 oz HL20 0.906" X Ø 1.625" + 0.78" x Ø 0.15", 2.78 oz HL50 0.906" X Ø 1.625" + 1.96" x Ø 0.15", 2.99 oz HL100 0.906" X Ø 1.625" + 3.93" x Ø 0.15", 3.35 oz HL150 0.906" X Ø 1.625" + 5.9" x Ø 0.15", 5.29 oz	HL: 23 x Ø 40 mm, ~75 g HL10: 23 x Ø 40 + 10 x Ø 4 mm, ~77 g HL20: 23 x Ø 40 + 20 x Ø 4 mm, ~79 g HL50: 23 x Ø 40 + 50 x Ø 4 mm, ~85 g HL100: 23 x Ø 40 + 100 x Ø 4 mm, ~95 g HL150: 23 x Ø 40 + 150 x Ø 4 mm, ~105 g
Measuring Range	-40°C to +140°C	
Resolution	0.01°C	
Accuracy	±0.25°C (-40°C to +125°C), otherwise ±0.3°C	
Memory	60,000 measurements	

Ordering Information

ACCDHL	HotLog Digital Datalogger for autoclave upto 140°C, internal sensor, waterproof and pressure-tight up to 10 bar, food-grade steel AISI316L, 60K recordings, adjustable interval recording 1 second to 24 hours, high accuracy ±0.25°C. Includes ISO17025 accredited calibration certificate.
ACCDHL10	HotLog Digital Datalogger for autoclave upto 140°C, 10mm sensor, waterproof and pressure-tight up to 10 bar, food-grade steel AISI316L, 60K recordings, adjustable interval recording 1 second to 24 hours, high accuracy ±0.25°C. Calibration is not included but available upon request.
ACCDHL20	HotLog Digital Datalogger for autoclave upto 140°C, 20mm sensor, waterproof and pressure-tight up to 10 bar, food-grade steel AISI316L, 60K recordings, adjustable interval recording 1 second to 24 hours, high accuracy ±0.25°C. Calibration is not included but available upon request.
ACCDHL50	HotLog Digital Datalogger for autoclave upto 140°C, 50mm sensor, waterproof and pressure-tight up to 10 bar, food-grade steel AISI316L, 60K recordings, adjustable interval recording 1 second to 24 hours, high accuracy ±0.25°C. Calibration is not included but available upon request.
ACCDHL100	HotLog Digital Datalogger for autoclave upto 140°C, 100mm sensor, waterproof and pressure-tight up to 10 bar, food-grade steel AISI316L, 60K recordings, adjustable interval recording 1 second to 24 hours, high accuracy ±0.25°C. Calibration is not included but available upon request.
ACCDHL150	HotLog Datalogger for autoclave upto 140°C, 150mm sensor, waterproof and pressure-tight up to 10 bar, food-grade steel AISI316L, 60K recordings, adjustable interval recording 1 second to 24 hours, high accuracy ±0.25°C. Calibration is not included but available upon request.
ACCDHLINTERFC	HotLog Interface Readout unit, includes USB cable, opening tool & software; required for operation of HotLog digital data loggers
ACCDHLKIT	HotLog Battery Kit; one spare battery & gasket
ACCDHLTOOL	HotLog Opening Tool

Visual representation of LogConnect software reporting function;
includes PDF & CSV file formats

Header Information
is customizable



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Temperature

150.00°C

500.00min

125.00°C

375.00min

100.00°C

250.00min

75.00°C

125.00min

50.00°C

0.00min

1/16/2025 9:06:47 AM

1/16/2025 9:16:47 AM

1/16/2025 9:26:47 AM

1/16/2025 9:36:47 AM

1/16/2025 9:46:47 AM

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Graph Values
Temperature &
Fe are color
customizable