



CurveX 4 Oven Temperature Data Logger

Datasheet

The CurveX 4 is an intelligent temperature data logging system that is specially designed to control curing processes across the coating industry.

CurveX 4 Oven Temperature Data Logger



Advanced Oven Data – Easy Return on Investment

The CurveX 4 provides advanced oven temperature data. Combined with the Ideal Finish Analysis software, this data logger is vital for any paint curing oven. Providing insights into oven temperature efficiencies, streamlining operations and reducing operation costs.

The oven data tracker is fitted with three buttons for easy operation and three LED giving power, paint type, logging and cure information.



Memory – batches

The memory of the CurveX 4 can store a total of 1,000,000 readings. The memory is divided into 20 memory blocks of 50,000 readings each.

For each new batch, the CurveX 4 will always start at the beginning of the next memory block, even if the previous block was only partly used. Loggings that take longer than 50,000 readings are stopped at reading number 50,000. The maximum number of batches that can be stored is 20.



Ideal Finish Analysis software

The Ideal Finish Analysis software included with the logger, allows you to analyze the logged temperature data and create detailed reports. The software has advanced oven profiling features like cure data analysis, ideal cure and tolerance bands. Together with a wide range of visualization, report and printing options, Ideal Finish Analysis makes the CurveX oven logger the most flexible temperature logging solution available.

Features

- 8 channels
- Advanced software with Cure Index number
- Operate through only 3 buttons
- Meaningful feedback through multi coloured LED's
- Factory calibrated for immediate use
- Download data through USB-C
- Internal charging for 2 rechargeable AA batteries through USB-C

- Large memory of 20 x 50.000 readings
- Programmable "paint type" for immediate "pass / fail" result
- Compatible with Ideal Finish Analysis software
- Flat design, only 35 mm

CurveX 4 Logger Technical Specifications:

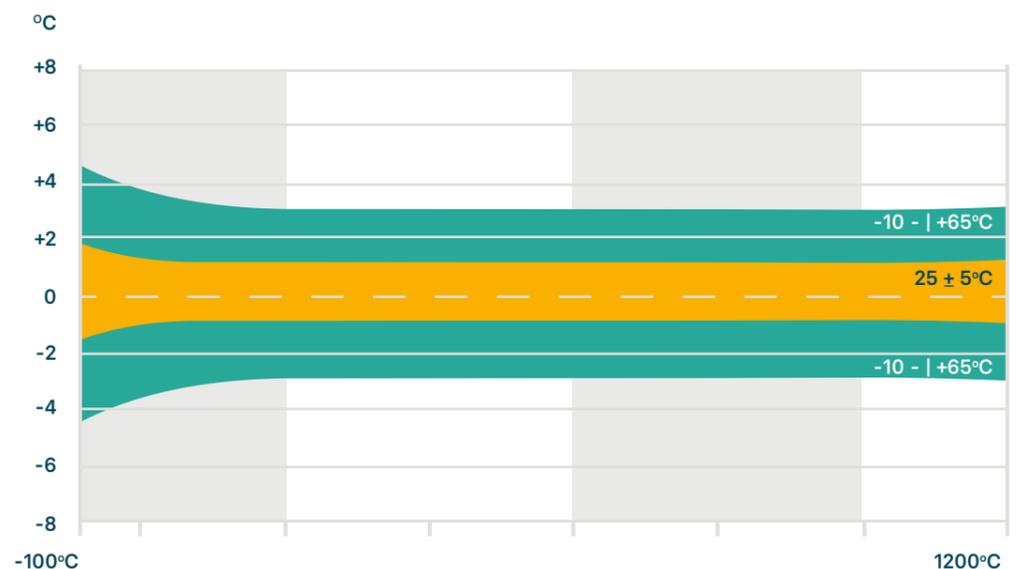
Measuring range	-100 °C to 1200 °C
Operating temperature	0 °C to 60 °C
Accuracy	±1 °C / 1.8 °F
Channels	8
Sample interval time	1 s to 60 min
Memory	20 batches with 50.000 readings
Display	Three multi-colour LED's
Interface	USB-C
Housing material	Anodised Aluminium / Plastic
Dimensions (D x W x h)	110 x 85 x 35 mm
Power supply	2 AA batteries (standard or rechargeable)
Battery life time*	35h with rechargeable batteries, 60 with alkaline batteries
Weight	190 g / 6.7 oz.

Industrial Physics Ideal Finish Analysis software

Supported Operating Systems	Windows Vista, Windows 7 and Windows 8 / 8.1, Windows 10, Windows 11
Platform	32 b or 64 b
Memory	32 MB
Required hard Disk space	128 MB

* After 300 cycles charge from 0 to 100% the battery will retain a capacity of 80%. In general such battery need replacement after approx. 2 years continuous use.

CurveX 4 Logger Operation Measurement**



**The graph visualizes the maximum deviations from the CurveX 4 in calibration conditions (25 +/- 5°C) and at its limits of the electronics operational temperature range (-10 to 65°C).

Get in touch



Find out more about how we can support your unique needs and get in touch today.

Email: info@industrialphysics.com

industrialphysics.com

