



CurveX 3 Nano

CX3030

When it comes to the coating and curing time of cans, it is important to carefully control the time-temperature cycle. The CurveX Nano has been specifically design for can coaters. The device travels through the conveying system in the oven alongside the cans being coated - making it incredibly easy to log the time-temperature data of your cans throughout the entire production process.

The logger records a complete temperature profile and will show a simple pass/fail set-up, based on the pre-set paint curing specifications. Combined with the Ideal Finish Analysis software, the recorded data can be stored, analyzed, and used for future reference and reporting. Additionally, the software allows for "What If" scenarios. By changing the time and paint curing parameters, the software will calculate new curing data before making production changes.

4 Channels

The CurveX 3 Nano comes with four thermocouples to measure either surface or air temperature. The CurveX 3 Nano also includes four self-adhesive attachment pads to position the probes. The probes are usually attached to a real can on the next pin.

Housing

The CurveX 3 Nano is housed in a stainless steel, can shaped casing. This form factor allows the data logger to be used in a variety of can oven setups. Usually the cans traverse through the production process by placing them over pins, the pins in turn are attached to a big chain that runs through the whole production line.

The housing at the same time functions as insulation box. Unlike our other CurveX products the Nano does not need a separate insulation box.

Inside end-caps

Typically the cans are painted both on the to outside. This is done in 2 different production steps. The CurveX 3 Nano can be used in both of these steps. During the first step, painting the inside, the cans are placed in trays that traverse through the first oven. The Curve X 3 Nano is supplied with end-caps that make it cylindrical to allow the data logger to be placed in the trays with the cans.

Outside end-caps

To allow for easy installation into the production line the CurveX 3 Nano has a special set of outside end-caps with adjustable fittings. These end-caps allow the data logger to be slid over a pin. Once in place, the position on the pin can be quickly fixed with 2 butterfly bolts.

Easy operation

The CurveX 3 Nano has three buttons for: Power, Start and Stop. The buttons have integrated status LEDs, that indicate Power On/Off and battery level as well as Logging running and Curing status. In between the LED buttons is a USB connector to transfer data to a PC and the Ideal Finish Analysis software.

Features

- Durable and impact resistant housing
- Rechargeable batteries
- Ideal Finish Analysis software support
- Large memory
- Factory calibration
- Operated through only 3 buttons
- Meaningful feedback from multi colored LEDs
- Factory calibrated for immediate use
- Downloads data through USB
- Rechargeable battery pack using USB
- Large memory for max. 160.000 readings
- Memory for 10 different batches, automatically overwrites the oldest results
- Programmable "paint type" memory for immediate "pass/ fail" result
- Cylindrical design, only 53 mm in diameter

Scope of supply

- CurveX 3 Nano
- Factory calibration, certificate included
- Ideal Finish Analysis Software downloadable
- USB cable
- Plastic carrying case
- 4x Thermocouple wire probes
- Set of 25 Self-adhesive attachment pads (T=250°C/482°F)



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