

## CURVEX 3 STANDARD OVEN LOGGER / - KIT

CX3015, CX3020

### PRODUCT DESCRIPTION

The CurveX 3 Standard offers easy-to-use, high quality temperature data logging for paint curing ovens. Measurements, analysis levels and report options are fully customizable to provide you with tailor-made information on the quality of your curing processes. The data logger is fitted with a large full-colour touchscreen for easy menu-driven operation and quick display of measurement results. The logger has 6 channels and a total memory of 250000 measuring points.

TQC Sheen's Ideal Finish Analysis data analysis software allows you to analyze the logged data and create detailed reports. These advanced features, together with a wide range of display and printing options, makes CurveX 3 Standard the most flexible temperature data logging solution available, excellently suited for both field use and laboratory conditions.

The CurveX 3 Standard Oven logger Kit also contains an insulation box with heat sink. Just add the desired magnetic or clamp-type probes to make the oven logger kit complete.



### BUSINESS

Automotive, coating industry, laboratory

### FEATURES

- Easy-to-use
- Large full-colour touchscreen
- Menu-driven operation
- High quality temperature data-logging
- Measurements, analysis levels and report options fully customizable

### SCOPE OF SUPPLY

#### CX3015 Curvex 3 Standard Oven logger

- CurveX 3 Standard Oven logger
- USB cable
- USB charger
- Ideal Finish Software License Key
- USB stick with Ideal Finish Analysis Software
- Probe ID-kit
- Calibration certificate
- Manual CurveX 3 Standard
- Small protective case

### CX3020 CurveX 3 Standard Oven logger Kit

- CurveX 3 Standard Oven logger
- USB cable
- USB charger
- USB stick with Ideal Finish Software
- Ideal Finish Analysis Software License Key
- Probe ID-kit
- Calibration Certificate
- Manual CurveX 3 Standard
- Manual Ideal Finish Analysis
- Plastic carrying case
- CX2005 Insulation Box
- CX2011 Heat Absorber

### ORDERING INFORMATION

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|--------|-----------------------------------|
| CX3015 | CurveX 3 Standard Oven logger     |
| CX3020 | CurveX 3 Standard Oven logger Kit |

### ACCESSORIES

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Various insulation boxes and a wide range of temperature probes.

### SPECIFICATIONS (VERSION D)

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|-----------------------|--|
| Channels:             | 6x thermocouple K type input   |
| Measuring range :     | 0 to 1200 °C, 32 to 2192 °F  |
| Accuracy:             | ± 0.5 °C / 0.9 °F (static), ± 1 °C / 1.8 °F (dynamic)*   |
| Resolution:           | 0.1 °C / 0.2 °F  |
| Memory:               | 10 blocks with 25000, or 1 block with 250000 readings.   |
| Interface:            | USB-A data transfer to memory stick<br>USB-B data transfer to TQC Sheen Ideal Finish Analysis and battery charging |
| Sample interval time: | 1 to 3600 s  |
| Languages:            | English, French, Spanish, Italian, German, Dutch, Korean, Japanese, Chinese, Russian                               |
| Display:              | 3.5 inch, 240 x 320 pixel, 262K colour TFT LCD with touch screen   |
| Power supply :        | Lithium Polymer rechargeable battery   |
| Battery life:         | continuous use 4 hours, standby or logging 11 hours  |
| Dimensions (HxWxD):   | 108 x 90 x 35 mm / 4.3 x 3.5x1.4 in.   |
| Weight:               | 425 g / 15 oz.   |
| Material:             | Aluminum housing with protective sleeve  |

\*dynamic specifies the accuracy when running through an oven and the instrument heats up gradually.

## SPECIAL CARE

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- Though robust in design, this instrument is precision-machined. Never drop it or knock it over
- Always clean the instrument after use.
- Clean the instrument using a soft dry cloth. Never clean the instrument by any mechanical means such as a wire brush or abrasive paper. This may cause, just like the use of aggressive cleaning agents, permanent damage.
- Do not use compressed air to clean the instrument.
- Always keep the instrument in its case when not in use.
- We recommend annual calibration

## SAFETY PRECAUTIONS

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- Do not exceed the specified time at temperature limits in order to protect the equipment.
- Maintenance and inspection should be carried out at the correct intervals
- Operating personnel should be informed before starting with maintenance or repair work
- Do not open the instrument. In case of malfunction always consult the manufacturer.

### **Batteries In Carry-On Baggage (Aircraft Cabin)**

The battery employed in our CurveX 3 Standard is a generic single cell Lithium-Ion battery, 3.7V 2700 mAh. The battery employed in the CurveX 3 Standard has a capacity of 9.99 Watt-hours, and is rated for low-power use only. A protection circuitry has been applied to the CurveX 3 Standard mainboard as per best practice.

Based on US DOT regulations (49 CFR, Sec. 175.10), the CurveX 3 Standard battery satisfies all demands, most notably:

- The battery is non-replaceable for the end user and therefore does not classify as 'spare'
- The battery is rated below 100 Watt-hours per battery
- The battery is protected from damage and short circuit

The battery is assembled into an end product and classified to be freely transported on aircraft both in carry-on and check-in luggage. When carried-on, please keep the provided product documentation with the device in order to be able to provide regulatory agencies relevant information about your device when requested.

## DISCLAIMER

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The right of technical modifications is reserved.

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