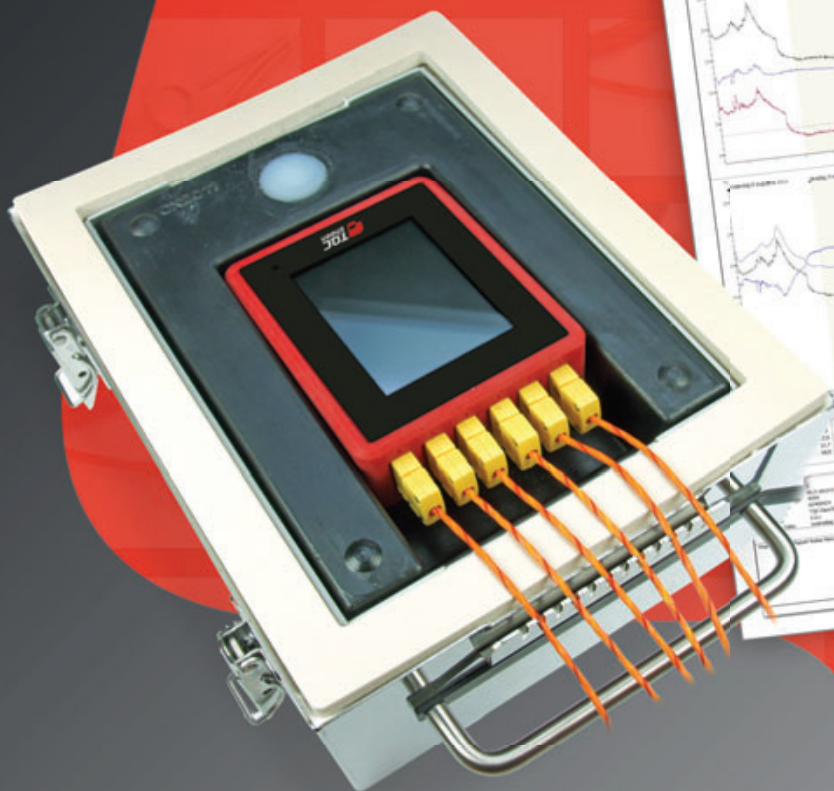
TQC sheen



IDEAL FINISH ANALYSIS Ready



# CurveX Oven Loggers
and Accessories

TQC Sheen ThermoKinetics Range

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# TQC SHEEN, DEVELOPERS AND MANUFACTURERS OF **PAINT TEST EQUIPMENT**

TQC Sheen designs and produces field measuring instruments and lab equipment for testing paint and coatings and general surface treatment.

**Production facility**
TQC Sheen's objective is to create and offer solutions for every possible QC-application in surface technology. TQC Sheen products are known for their ergonomic features and user friendliness. The production facility is located in The Netherlands. In order to complete the TQC Sheen range the company works closely together with renowned manufacturers from all over the world.

**Global distribution**
TQC Sheen has offices in the Netherlands, Germany, Italy, United Kingdom, Norway, Korea, China, Singapore and North America, and works closely together with a global network of distributors in more than 60 countries. The TQC Sheen product range focuses mainly on three different market sectors; Paint Research and Development Laboratories and Quality Control, Protective and Marine Coatings Applications, Surface Finishing Industry.

*TQC Sheen's production facility is located in The Netherlands*

*TQC Sheen has distributors in more than 60 countries*

**History and innovation**
In October 2017 TQC BV. has acquired Sheen Instruments LTD. Sheen Instruments has a history of over 70 years being manufacturers of laboratory equipment for the paint industry. TQC is a manufacturer of paint test equipment renowned for their innovative approach and ground breaking developments.

Both companies are joining forces now and the two brands are being merged in the new TQC Sheen label. The new name represents the best of both worlds: Innovation & History.

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Because of TQC Sheen's policy of continuous improvement, TQC Sheen reserves the right to change specifications without notice.

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In case of any questions or remarks, feel free to contact us.

**Decimal Mark**

In this booklet we have striven to use the , as decimal mark for metric values/SI units. Imperial values have a . as decimal mark, based on the US system.

**TQC ThermoKinetics**

The TQC Sheen ThermoKinetics range is a new range within TQC's product line. The TQC Sheen ThermoKinetics range focuses on the effect of temperature on paint related chemistry.

**Calibration certificate included**

**Ideal Finish Analysis Ready**

# CurveX 3 Standard Oven Logger
## With Ideal Finish Analysis (Oem)

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 memory of at least 8000 measuring points per channel.

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.


## Features

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

## Ordering Information

**CX3015**
CurveX 3 Standard Oven logger with Ideal Finish Analysis Software

## Accessories / Spares

**CM1105**
USB cable

**CX2100**
Probe Identification KIT (Tags numbered 1-6)

**Scope of supply**
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

## Technical Specifications CurveX 3

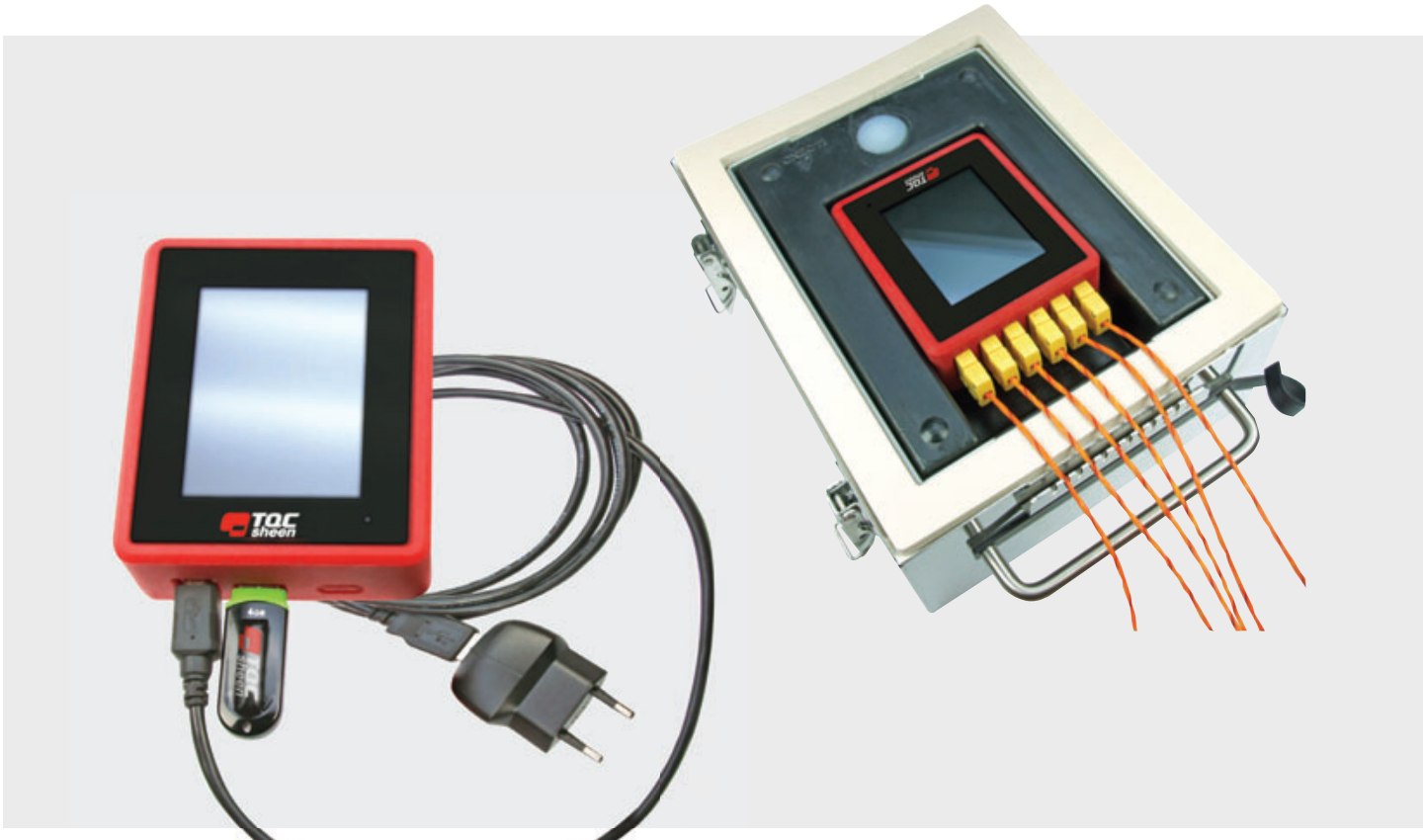
| | |
|---|---|
| Channels: | 6x thermocouple K type input |
| Measuring range : | -50 to 1200 °C, -58 to 2192 °F |
| Accuracy: | ± 0.5 °C / 0.9 °F (static), ± 1 °C / 1.8 °F (dynamic)* |
| Resolution: | 0.1 °C / 0.2 °F |
| Memory: | 10 blocks with 25000, or 1 block with 250000 readings. |
| Interface: | 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, Dutch, Korean, Japanese |
| 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.

## Technical Specifications Ideal Finish Analysis Software

| | |
|---|---|
| Supported Operating Systems: | Windows Vista, Windows 7, Windows 8 and Windows 10 |
| Platform: | 32b or 64b |
| Memory: | 32MB |
| Required Hard Disk space: | 128 MB |

# CurveX 3 Standard Oven Logger Kit



Profiling an industrial powder coating oven starts right here with the CurveX 3 Standard Oven Logger KIT. It contains all necessary items, just add the desired magnetic or clamp-type probes to make the oven logger KIT complete.

The heart of the KIT is the CurveX 3 Standard Oven datalogger which 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.

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.

## Ordering Information

**CX3020**
CurveX 3 Standard Oven Logger Kit

## Accessories / Spares

**CM1105**
USB Cable

**CX2100**
CurveX probe identification kit (1-6)

## Features

- Easy-to-use
- Large full-colour touchscreen
- Menu-driven operation
- High quality temperature data-logging
- Measurements, analysis levels and report options fully customizable
- All necessary items, just add the desired probes


## Technical Specifications CurveX 3 Oven Logger Kit

| | |
|---|---|
| Channels: | 6x thermocouple K type input |
| Measuring range : | 0 to 800 °C, 0 to 1472 °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,<br>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, Dutch, Korean, Japanese |
| 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.

## Technical Specifications Ideal Finish Analysis Software

| | |
|---|---|
| Supported Operating Systems: | Windows Vista, Windows 7, Windows 8 and Windows 10 |
| Platform: | 32b or 64b |
| Memory: | 32MB |
| Required Hard Disk space: | 128 MB |

### Scope of supply

| | |
|---|---|
| CX3015 | CurveX 3 Standard with Ideal Finish software and datacable |
| CX2005 | Insulation box 300°C |
| CX2011 | Energy absorber |
| CX2071 | Silicone gasket |
| CX2100 | Probe identification kit |
| CX3060 | Carrying Case |
| CX3069 | USB Charger |

# CurveX 3 Basic Oven Logger Kit


Profiling an industrial powder coating oven starts right here with the CurveX 3 Basic oven logger KIT. It contains all necessary items, just add the desired magnetic or clamp-type probes to make the oven logger KIT complete. The CurveX 3 Basic oven data logger that offers easy-to-use, high quality temperature logging for industrial paint and powder coat cure ovens. The oven data tracker is fitted with three large buttons for easy operation and three LED giving power, paint type, logging and cure information.

The main component of the KIT is the CurveX 3 Basic an oven temperature data logger that allows the conditions in the oven to be monitored regularly for each substrate. The oven temperature data logger is placed in an insulated box and as it passes through the oven with the work piece and it can measure the temperature in several places on the surface of the product simultaneously. Several probes for measuring the ambient temperature and the temperature of the product can be connected to the data logger. These include magnet, clamp, ring-type and wire probes. In addition to the most common temperature probes, special infrared probes can also be used. The measurements are to a PC via the oven temperature data logger's USB port and analysed using the Ideal Finish software program.

The included Ideal Finish Analysis software allows you to analyse the logged temperature data and create detailed reports. Advanced oven profiling features like cure data analysis, ideal cure and tolerance bands, together with a wide range of display, report and printing options, make CurveX 3 Basic oven logger the most flexible temperature logging solution available.

Excellently suited for industrial oven and laboratory oven temperature profiling. Mandatory test in Qualicoat, QIB and GSB accredited laboratories.

## Features

- KIT configured to start oven temperature data logging in paint and powder coating curing oven applications, just add your probes to make it complete.
- Insulation box with degassed silicone materials suitable for powder coating applications.
- For absolutely silicone free or high temperature applications select your insulation box.
- Document and prove process quality following Qualicoat, GSB, ISO9000, QIB etc. and create outstanding quality reports with the icluded advanced analysis software.

## Ordering Information

**CX3010**
CurveX 3 Basic Oven Logger Kit

## Accessories / Spares

CX2077
Ideal Finish Analysis Software

CM1105
USB Cable

CX2100
CurveX probe identification kit (1-6)

### Scope of supply

| | |
|---|---|
| CX3005 | CurveX 3 Basic Oven Logger with Ideal Finish Analysis Software |
| CL0018 | Factory calibrated, calibration certificate included |
| CX5010 | Ideal Finish Analysis License Key |
| CX2005 | CurveX Stainless Insulation Box |
| CX3050 | Insulation Box Logger Bracket |
| CM1105 | USB Cable |
| GL0103 | USB Memory Stick |
| CX3060 | Plastic Carrying Case |

# CurveX 3 Basic Oven Logger
## With Ideal Finish Analysis (Oem)

The CurveX 3 Basic oven logger offers easy-to-use, high quality temperature data logging for paint curing ovens. The oven data tracker is fitted with three large buttons for easy operation and three LED giving power, paint type, logging and cure information.

The included Ideal Finish Analysis software allows you to analyse the logged temperature data and create detailed reports. Advanced oven profiling features like cure data analysis, ideal cure and tolerance bands, together with a wide range of display, report and printing options, make CurveX 3 Basic oven logger the most flexible temperature logging solution available.


## Ordering Information

CX3010
CurveX 3 Basic Oven Logger

**Scope of supply**
CurveX 3 USB Oven Logger with Ideal Finish Analysis Software, Factory calibrated, calibration certificate included, Ideal Finish Analysis License Key, USB cable, small protective case.

## Features

- Operate through only 3 large buttons
- Meaningful feedback of multi coloured LED's
- Factory calibrated for immediate use
- Downloads data through a standard USB port
- Rechargeable battery pack through USB connector
- Large memory of max. 160.000 readings
- Memory for 10 different batches, automatically overwrites the oldest results
- Programmable "paint type" memory for immediate "pass / fail" result
- Flat design, only 16 mm, for use in low clearance ovens
- Compatible with Ideal Finish Analysis software

## Technical Specifications CurveX 3 Oven Logger Kit

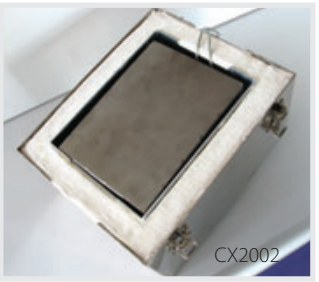
| | |
|---|---|
| Measuring range: | 0°C to +500°C / -58°F to +932°F |
| Operating temperature: | -20°C to 60°C / -4°F to 140°F |
| Accuracy: | +/-1°C / 1.8°F |
| Channels: | 4 |
| Sample interval time: | 1s to 60 min |
| Memory: | 10 batches with 16.000, or 1 batch with 160.000 readings |
| Display: | Three multi-colour LED's |
| Interface: | USB |
| Housing material: | Aluminium |
| Dimensions (D x W x H): | 100x85x16 mm / 3.94x3.35x0.63 inch |
| Power supply: | rechargeable battery |
| Battery life time: stand-by: | 1200 hour continuous use, 27 years in |
| Weight: | 190 g / 6.7 oz |

## Technical Specifications Ideal Finish Analysis Software

| | |
|---|---|
| Supported Operating Systems: | Windows Vista, Windows 7, Windows 8 and Windows 10 |
| Platform: | 32b or 64b |
| Memory: | 32MB |
| Required Hard Disk space: | 128 MB |

# Insulation Boxes For CurveX

CurveX insulation boxes are specifically designed to protect the CurveX loggers against the harsh environment in industrial ovens. All insulation boxes are made of a polished stainless steel outer box filled with micro porous insulation material to prevent the oven heat to penetrate the aluminium inner box. Inside the aluminium inner box a high density media heat sink collects any excess of heat and keeps the CurveX logger at an acceptable operating temperature for a long period of time. The heat sink thermo energy collecting capacity can be restored by cooling it down after use. This physical process is endless and does not require exchange of the heat sink after a certain period of time.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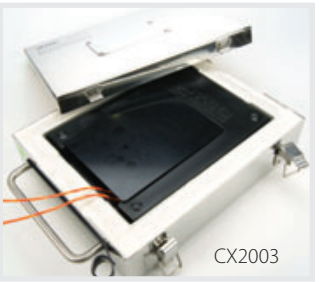
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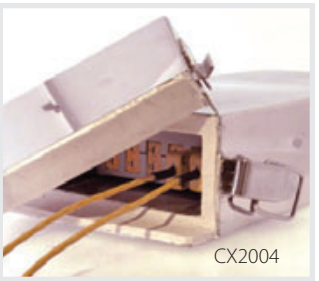
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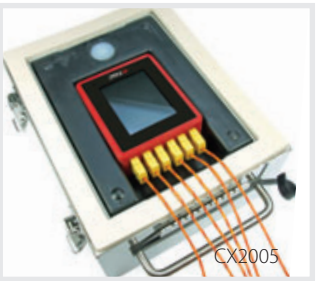

CX2005


CX2009


CX2400

## Features

- Excellent logger protection against oven heat.
- Ferro plate for holding the magnet probes when not in use.
- Mounted cable hook allows the storage of surplus cable length.

## Technical Specifications Insulation Boxes for CurveX

| | |
|---|---|
| **Outer box material:** | Polished Stainless steel |
| **Insulation material:** | Micro porous silica |
| **Inner box material:** | Anodised aluminium |

## Ordering Information Insulation Boxes for CurveX

**CX2004*****

Dimensions
Depth : 240 mm / 9.45 inch
Width : 105 mm / 4.13 inch
Height: 50 mm / 1.97 inch

Approximate
Weight : 1600 g / 3.53 lbs

Insulation
Curve: A

Heat Sink: Included

Max
Temperature :300°C / 572°F

**CX2009***

Dimensions
Depth : 240 mm / 9.45 inch
Width : 105 mm / 4.13 inch
Height: 60 mm / 2.36 inch

Approximate
Weight : 1700 g / 3.75 lbs

Insulation
Curve: B

Heat Sink: Included

Max
Temperature :300°C / 572°F

**CX2003*****

Dimensions
Depth : 255 mm / 10.04 inch
Width : 225 mm / 8.86 inch
Height: 70 mm / 2.76 inch

Approximate
Weight : 2650 g / 5.85 lbs

Insulation
Curve: C

Heat Sink: CX2004***

Max
Temperature :300°C / 572°F

**CX2005**

Dimensions
Depth : 255 mm / 10.04 inch
Width : 225 mm / 8.86 inch
Height: 140 mm / 5.51inch

Approximate
Weight : 4200 g / 9.26 lbs

Insulation
Curve: D

Heat Sink: CX2009*

Max
Temperature :300°C / 572°F

* Only suitable for CurveX 3 Basic ** to be ordered separately *** Not suitable for the CurveX 3 Standard

## Ordering Information for absolute sillicone-free Insulation Boxes for CurveX

**CX2300**

Dimensions
Depth : 240 mm / 9.45 inch
Width : 225 mm / 8.86 inch
Height: 140 mm / 5.51 inch

Approximate
Weight : 4200 g / 9.26 lbs

Insulation
Curve: E

Heat Sink: CX2011*

Max
Temperature :180°C / 356°F

**CX2017**

Dimensions
Depth : 240 mm / 9.45 inch
Width : 225 mm / 8.86 inch
Height: 140 mm / 5.51 inch

Approximate
Weight : 4200 g / 9.26 lbs

Insulation
Curve: F

Heat Sink: CX2011*

Max
Temperature :500°C / 932°F

**CX2002**

Dimensions
Depth : 280 mm / 11.02 inch
Width : 230 mm / 9.06 inch
Height: 180mm / 7.09 inch

Approximate
Weight : 8000 g / 17.64 lbs

Insulation
Curve: G

Heat Sink: CX2011* / CX2011*

Max
Temperature :500°C / 932°F

**CX2400**

Dimensions
Depth : 540 mm / 21.3 inch
Width : 360 mm / 14.2 inch
Height: 250 mm / 9.8 inch

Approximate
Weight : 32 kg** / 70.55 lbs

Insulation
Curve: H

Heat Sink: Included

Max
Temperature :850°C / 1562°F

* to be ordered separately ** Incl. heatsink

## Accessories / Spares

CX2011
Heat sink LDPE for insulation box CX2002, CX2017 and CX2005

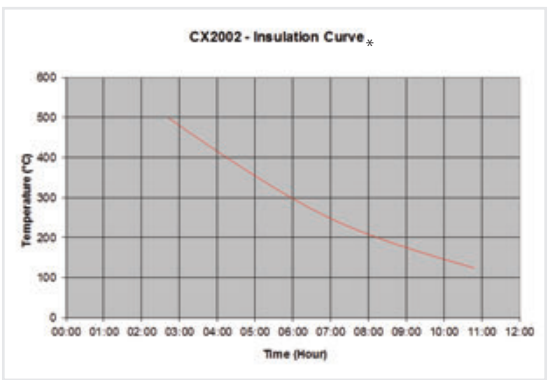
CX2012
Extra heat sink for insulation box CX2002

CX2013
Heat sink LDPE Add-on module for insulation box CX2002, CX2017 and 2005

CX2014
Heat sink U-shaped for insulation box CX2003

## Insulation curves

G

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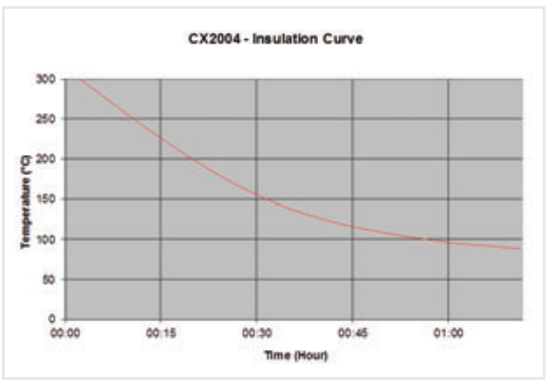


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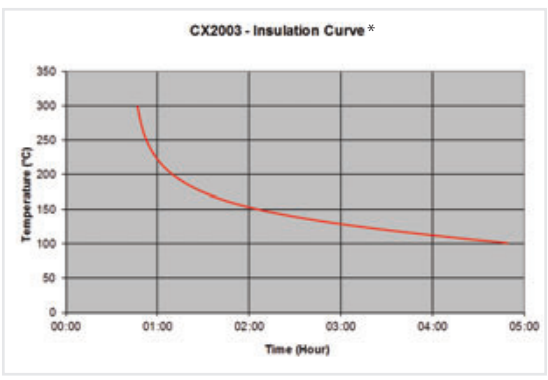


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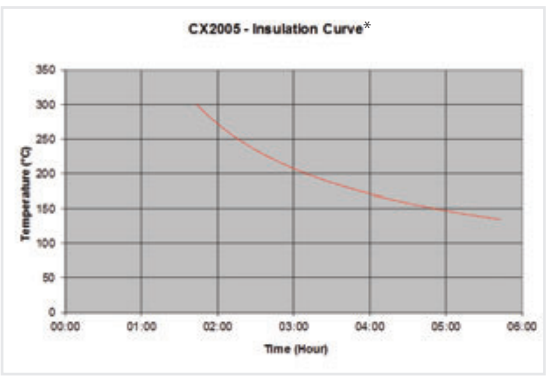
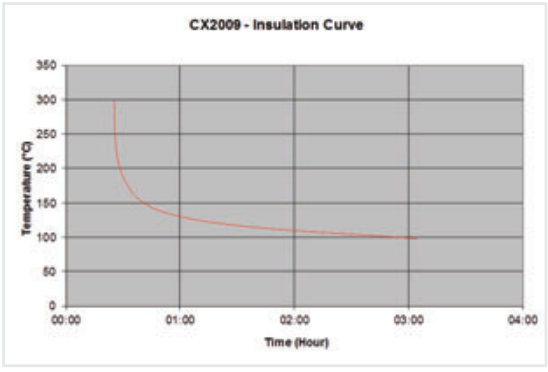


## Insulation curves

B

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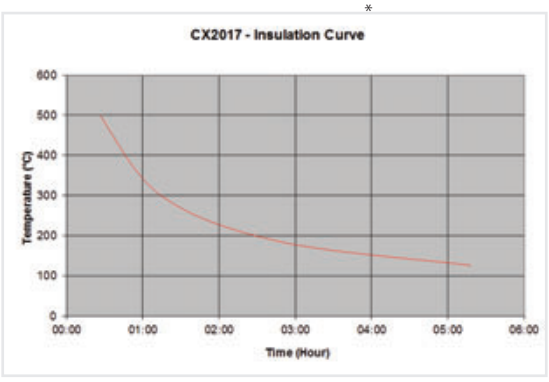


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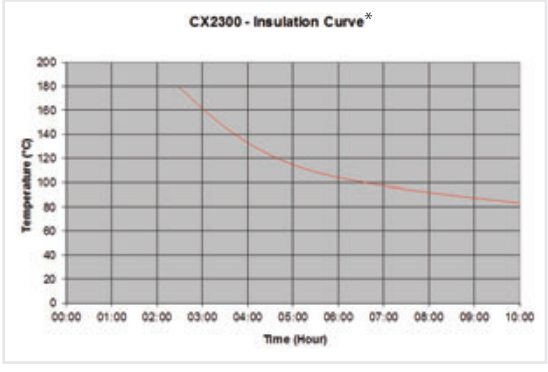
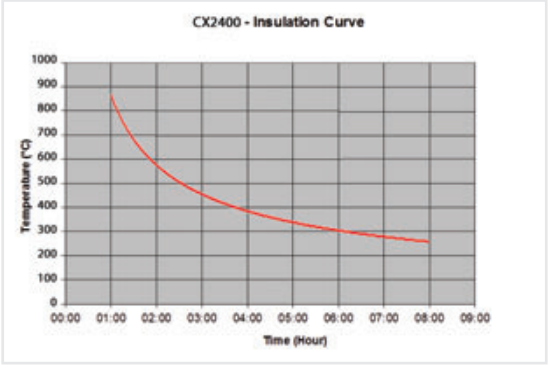



H




* Tested in combination with the energy absorber CX2011 (a high density energycollecting media) with a start temperature of 20°C (68°F).

**TQC Sheen ThermoKinetics**

The TQC Sheen ThermoKinetics range is a new range within TQC Sheen's product line. The TQC Sheen ThermoKinetics range focuses on the effect of temperature on paint related chemistry.

# Temperature Probes For CurveX

CurveX temperature probes are specifically designed to measure oven air temperature and the part surface temperature in an oven. All probes are made of premium grade thermo couple K wire, which guarantees the highest accuracy available. High class magnet and springs are used that do not disintegrate or lose force at high temperatures. The various probe types allow measuring on every part regardless of its shape or size.

## Technical Specifications Temperature Probes for CurveX

**Probe type:** Thermo couple K
**Connector:** K type miniature plug
**Material:** Nickel-Aluminium Nickel-Chromium
**Accuracy:** Class I Premium grade

**Temp Range:** -40 to 375°C / -40 to 707°F
**Tolerance Value:** -40 ±1.5°C / -40 ±34.7°F
**Temp Range:** 375 to 1000°C / 707 to 1832°C
**Tolerance Value:** ±0.4% Reading / ±0.4% Reading

## Ordering Information Probes for measuring air temperature

**CX2020**
Application: Air
Probe Mounting: Spring clamp
Cable Type: Coiled polyurethane
Cable Length: 1500 mm /4.9 ft
Max Temp.: 300°C / 572°F

**CX2021**
Application: Air
Probe Mounting: Spring clamp
Cable Type: Coiled polyurethane
Cable Length: 3000 mm / 9.8 ft
Max Temp.: 300°C / 572°F

**CX2022**
Application: Air
Probe Mounting: Spring clamp
Cable Type: Coiled polyurethane
Cable Length: 5000 mm / 16.4 ft
Max Temp.: 300°C / 572°F

**CX2026**
Application: Air
Probe Mounting: Spring clamp
Cable Type: Coiled polyurethane
Cable Length: 10500 mm / 34.45 ft
Max Temp.: 300°C / 572°F

**CX2023**
Application: Air
Probe Mounting: Spring clamp
Cable Type: Stainless steel braided lead
Cable Length: 1500 mm / 4.9 ft
Max Temp.: 480°C / 896°F

**CX2024**
Application: Air
Probe Mounting: Spring clamp
Cable Type: Stainless steel braided lead
Cable Length: 3000 mm / 9.8 ft
Max Temp.: 480°C / 896°F

**CX2069**
Application: Air
Probe Mounting: Magnet
Cable Type: Coiled polyurethane
Cable Length: 1500 mm / 4.9 ft
Max Temp.: 3 300°C / 572°F

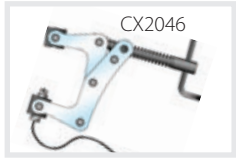
**CX2068**
Application: Air
Probe Mounting: Magnet
Cable Type: Coiled polyurethane
Cable Length: 3000 mm / 9.8 ft
Max Temp.: 300°C / 572°F

**CX2073**
Application: Air
Probe Mounting: Magnet
Cable Type: Coiled polyurethane
Cable Length: 5000 mm / 16.4 ft
Max Temp.: 3 300°C / 572°F


CX2020


CX2030


CX2055


CX2046


CX2041


CX2048


CX2050


CX2094


CX2063

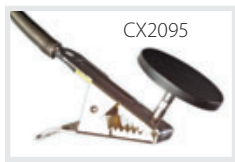

CX2087


CX2065


CX2068


CX2085


CX2090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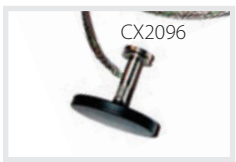
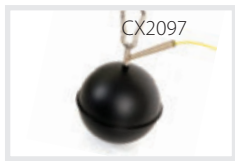

CX2096


CX2097


CX3145

## Ordering Information Probes for measuring object surface temperature

**CX2030**
Application: Surface
Probe Mounting: Spring clamp
Cable Type: Coiled polyurethane sheath
Cable Length: 1500 mm / 4.9 ft
Max Temp.: 300°C / 572°F

**CX2040**
Application: Surface
Probe Mounting: Spring clamp
Cable Type: Coiled polyurethane
Cable Length: 3000 mm / 9.8 ft
Max Temp.: 300°C / 572°F

**CX2041**
Application: Surface
Probe Mounting: Spring clamp
Cable Type: Coiled polyurethane
Cable Length: 5000 mm / 16.4 ft
Max Temp.: 300°C / 572°F

**CX2045**
Application: Surface
Probe Mounting: Spring clamp
Cable Type: Coiled polyurethane
Cable Length: 10500 mm / 34.4 ft
Max Temp.: 300°C / 572°F

**CX2046**
Application: Surface
Probe Mounting: Spring clamp
Cable Type: Vice clamp Coiled polyurethane
Cable Length: 10500 mm / 34.4 ft
Max Temp.: 300°C / 572°F

**CX2048**
Application: Surface
Probe Mounting: Spring clamp
Cable Type: Stainless steel braided lead
Cable Length: 1500 mm / 4.9 ft
Max Temp.: 480°C / 896°F

**CX2049**
Application: Surface
Probe Mounting: Spring clamp
Cable Type: Stainless steel braided lead
Cable Length: 3000 mm / 9.8 ft
Max Temp.: 480°C / 896°F

**CX2050**
Application: Surface
Probe Mounting: Magnet
Cable Type: Coiled polyurethane
Cable Length: 1500 mm / 4.9 ft
Max Temp.: 300°C / 572°F

**CX2060**
Application: Surface
Probe Mounting: Magnet
Cable Type: Coiled polyurethane
Cable Length: 1500 mm / 4.9 ft
Max Temp.: 300°C / 572°F

**CX2062**
Application: Surface
Probe Mounting: Magnet
Cable Type: Coiled polyurethane
Cable Length: 5000 mm / 16.4 ft
Max Temp.: 300°C / 572°F

**CX2061**
Application: Surface
Probe Mounting: Magnet
Cable Type: Coiled polyurethane
Cable Length: 10500 mm / 34,4 ft
Max Temp.: 300°C / 572°F

**CX2055**
Application: Surface
Probe Mounting: Magnet
Cable Type: Stainless steel braided lead
Cable Length: 1500 mm / 4.9 ft
Max Temp.: 480°C / 896°F

**CX2056**
Application: Surface
Probe Mounting: Magnet
Cable Type: Stainless steel braided lead
Cable Length: 3000 mm / 9.8 ft
Max Temp.: 480°C / 896°F

**CX2065**
Application: Universal
Probe Mounting: Ring
Cable Type: Coiled polyurethane
Cable Length: 1500 mm / 4.9 ft
Max Temp.: 300°C / 572°F

**CX2066**
Application: Universal
Probe Mounting: Ring
Cable Type: Coiled polyurethane
Cable Length: 3000 mm / 9.8 ft
Max Temp.: 300°C / 572°F

**CX2072**
Application: Universal
Probe Mounting: Ring
Cable Type: Coiled polyurethane
Cable Length: 5000 mm / 16.4 ft
Max Temp.: 300°C / 572°F

**CX2085**
Application: Universal
Probe Mounting: Ring
Cable Type: Stainless steel braided lead
Cable Length: 1500 mm / 4.9 ft
Max Temp.: 480°C / 896°F

**CX2086**
Application: Universal
Probe Mounting: Ring
Cable Type: Stainless steel braided lead
Cable Length: 3000 mm / 9.8 ft
Max Temp.: 480°C / 896°F

**CX2090**
Application: Universal
Probe Mounting: Ring
Cable Type: Inconel tube
Cable Length: 1500 mm / 4.9 ft
Max Temp.: 1000°C / 1832°F

**CX2091**
Application: Universal
Probe Mounting: Ring
Cable Type: Inconel tube
Cable Length: 3000 mm / 9.8 ft
Max Temp.: 1000°C / 1832°F

**CX2092**
Application: Universal
Probe Mounting: Ring
Cable Type: Inconel tube
Cable Length: 5000 mm / 16.4 ft
Max Temp.: 1000°C / 1832°F

**CX2063**
Application: Air/Surface
Probe Mounting: Wire
Cable Type: Coiled polyurethane
Cable Length: 1500 mm / 4.9 ft
Max Temp.: 300°C / 572°F

**CX2064**
Application: Air/Surface
Probe Mounting: Wire
Cable Type: Coiled polyurethane
Cable Length: 3000 mm / 9.8 ft
Max Temp.: 300°C / 572°F

**CX2067**
Application: Air/Surface
Probe Mounting: Wire
Cable Type: Coiled polyurethane
Cable Length: 5000 mm / 16.4 ft
Max Temp.: 300°C / 572°F

**CX2087**
Application: Air/Surface
Probe Mounting: Wire
Cable Type: Stainless steel braided lead
Cable Length: 1500 mm / 4.9 ft
Max Temp.: 480°C / 896°F

**CX2088**
Application: Air/Surface
Probe Mounting: Wire
Cable Type: Stainless steel braided lead
Cable Length: 3000 mm / 9.8 ft
Max Temp.: 480°C / 896°F

**CX20694**
Application: Air/Surface
Probe Mounting: Wire
Cable Type: Inconel tube
Cable Length: 3000 mm / 9.8 ft
Max Temp.: 1000°C / 1832°F

## Ordering Information Probes for measuring oven infra-red air temperature

**CX2097**
Application: Air
Probe Mounting: Spring clamp
Cable Type: Stainless steel braided lead
Cable Length: 1500 mm / 4.9 ft
Max Temp.: 300°C / 572°F

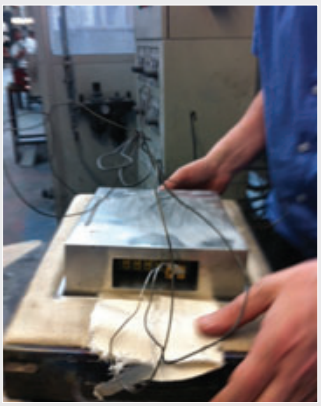
**CX2098**
Application: Surface
Probe Mounting: Spring clamp
Cable Type: Stainless steel braided lead
Cable Length: 5000 mm / 16.4 ft
Max Temp.: 480°C / 896°F

## Ordering Information probes for measuring oven infra-red surface temperature

**CX2095**
Application: Surface
Probe Mounting: Spring clamp
Cable Type: Stainless steel braided lead
Cable Length: 1500 mm / 4.9 ft
Max Temp.: 480°C / 896°F

**CX2096**
Application: Surface
Probe Mounting: Magnet
Cable Type: Stainless steel braided lead
Cable Length: 1500 mm / 4.9 ft
Max Temp.: 480°C / 896°F

**CX2099**
Application: Surface
Probe Mounting: Magnet
Cable Type: Stainless steel braided lead
Cable Length: 5000 mm / 16.4 ft
Max Temp.: 480°C / 896°F



# Case Study CurveX System

AGA Rangemaster is a leading international premium consumer which manufactures and distributes some of the best known and loved kitchen appliances and interiors furnishings in the world. Lately they experienced a problem with colour match on one of their enamels.

### The Speedometer of the Oven

The CurveX system gives the necessary information on the activities inside the furnace. With the information gathered by the CurveX Datalogger combined with Ideal Finish Analysis software adjustments can be made and money saved.

*"We have used it already 50 times to study and balance our furnace. We have before and after curves where we have adjusted a 20 degree difference between the top and bottom of our furnace to 6 degrees. but also evened out cure index and time at temperature, we have found the software very useful for comparing data. We made adjustment to the burners to change the flame lengths to overcome this problem."*

Besides changing the temperature and time AGA Rangemaster found out that if the furnace was heavily loaded the temperature curve was affected. This problem was gone un-noticed until they used the CurveX system.

*"We are now more self sufficient on setting the furnace burners and much better understanding of the things that can affect the furnace balance. Even to the point where we have calculated the Kg of enamel ware that the furnace can cope with from the Joules available in the gas input. We could reduce our track rate slightly to ensure we never had a net loss of energy imput to load but have at the moment not made a decision, as it is only under certain circumstance now that the load can exceed the gas."*

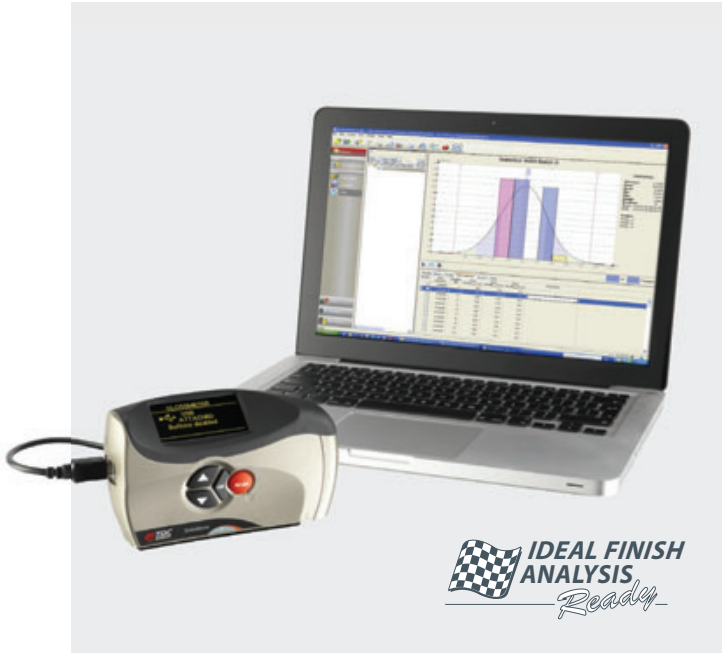
Now the issue is resolved they will use the datalogger once a week to check the furnace is not drifting back to where they had a problem.

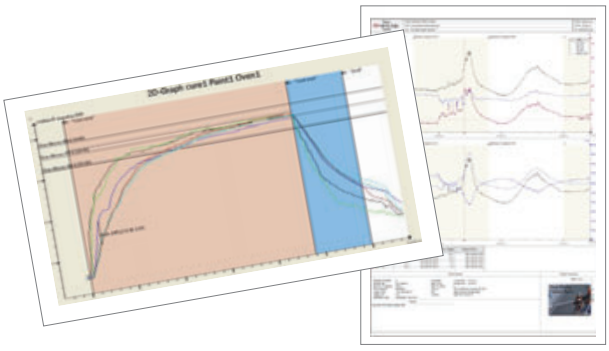
AGA RANGEmaster Group

# Ideal Finish Analysis Software

The TQC Sheen Ideal Finish Analysis Software is the most advanced coating climate, coating cure and coating thickness monitoring software package available today. With two user levels Ideal Finish Analysis offers user friendly reporting functions for standard production work as well as advanced calculations for in depth analysis of the climate parameters prior to coating, the curing process and oven performance during coating and the thickness after coating. Detailed graphic representations and customizable reports help you to make the right decisions to optimize your production process.

Ideal Finish Analysis is updated frequently to keep up with the latest developments in the coating and corrosion prevention industry and to comply with new operating systems like Windows 7 and Windows 8. The latest version of the software is available for free on our website http://www.tqcsheen.com



## Features

- Windows feel and look
- Integrated context sensitive help
- Easy user settings and download wizards
- Advanced reporting functionality
- 20+ pre-defined calculation on results
- Data export to Excel
- Various graphs and statistics analysis
- Extended's to Visual Basic for Applications
- Advanced reporting in Word and Excel

## Technical Specifications Ideal Finish Analysis Software

| | |
|---|---|
| **Probe type:** | Thermo couple K |
| **Supported :** | Windows Vista, Windows 7, Windows 8 and |
| **Operating Systems:** | Windows 10 |
| **Platform:** | 32b or 64b |
| **Memory:** | 32MB |
| **Required Hard Disk space:** | 128 MB |

## Technical Specifications Supported Instruments

| | |
|---|---|
| Cure: | CureView,<br>Curve-X,<br>CurveX-2,<br>CurveX-2 USB,<br>CurveX 3 Basic,<br>CurveX 3 Standard,<br>Elcometer 215/1 and<br>Elcometer 215/2 |
| Climate: | DewCheck 4 and<br>Elcometer 319/2 |
| Thickness: | Defelsko PosiTector 6000 |
| Gloss: | SoloGloss,<br>Duo Gloss,<br>PolyGloss |

The TQC Sheen Ideal Finish Analysis License Key is free of charge for everyone who purchased one of the Supported Instruments listed above at TQC Sheen or through one of TQC Sheen's distributors.


## Ordering Information Ideal Finish Analysis Software

**CX2077**
Ideal Finish Analysis Software on CD with printed manual in box

**CX7400**
Ideal Finish Analyses Software on CD

## Accessories / Spares

**CX5010**
Ideal Finish Analysis License Key

## Tip

The temperature of the different areas of curing ovens can be separately adjusted. However, it is not easy to identify whether the temperature of the product itself and the exposure time will produce the desired results. In the case of powder coatings, if the curing time is too short or the temperature too low, the coating will not crosslink properly. Other results include orange peel and a lack of adhesion, because the powder crystals have not fused effectively. In the case of paints, under baking leads to poor distribution and cross-linking. Over baking can cause unwanted flow and lack of adhesion or even the disintegration of the coating.

TQC sheen


TQC Sheen, developers and manufacturers of **paint test equipment**

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