

CURVE-X

An easy to use system to measure, records and analyzes the temperature of both object and air in paint-curing ovens. Suitable for both powder- and wetcoatings in batch and conveyor ovens.



- Protected by the CX barrier the Curve-X logger is recording the most relevant temperature of the curing process, the object-temperature.
- Up to **six probes** can be connected to provide a wealth of information about the curing process.
- The extended memory will hold 20.000 measurements. The user can set the measuring interval.
- 8 curing processes can be logged and stored before overwriting of the data.

Three ways to evaluate the results:

A green or red LED will indicate if the curing-process has passed or failed.



Transfer by RS232 inter-face to a Windows computer and comprehensive evaluation using the CX-Easysoft software



Printing of the latest logging series on the portable printer. Useful for fast data recovery directly at the production spot.



Software:

- The CX-Easysoft is totally adapted to the paint curing process. Special options make it possible to evaluate every part of the process and judge the oven performance.
- Important information such as thermostat settings, track speed, type of paint, client data etc. can be added to print a complete quality report.
- The SMART-option in the software allows the user to insert the curing specifications of the paint supplier. The Curve-X logger will inform you immediately after the process if the paint is sufficiently cured or if the curing process has failed.

Specifications:

Temperature range : 0°C to 1200°C
Accuracy : ± 1.0°C (0°-300°), ± 3° (>300°)
Resolution : 0.3°C
Thermocouple type : K
Number of channels : 6
Operating temperature : 0°C to 60°C
Logging interval : 1 sec. to 18 hours, user selectable
Power supply : 9V PP3 battery, alkaline type
Dimensions : 102 x 82 x 32mm (L x W x H)
Weight : 230 gram
Memory : 20400 readings max.

Indicators : power LED, log LED and status LED

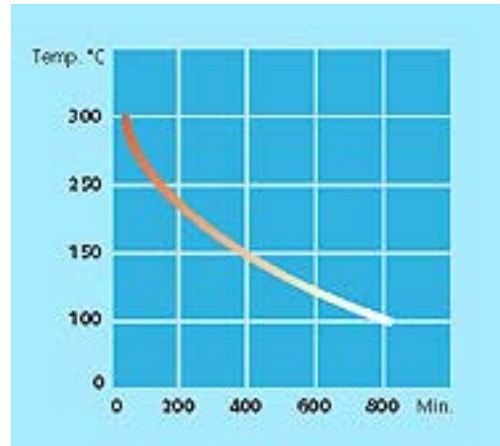
Printing : infra red (HPSIR)

Communication : RS 232 at 9600 baud

Cable : mini DIN 6 to DB9 female

Performance ISO-system

The values mentioned below are based upon the starting temperature of the system (box, heat-collector and logger) of around 20°C.



These performances allow the system to run through the oven several times without cooling-down intervals.

Dim. Isolation Box: 275 x 225 x 195mm
Weight box 8300 gram.

CX-Probes Range: -50°C to +300°C



CX-Air probe

Fast responding air probe with clamp attachment.
Cable length 150 cm



CX-Clamp probe

Surface probe with clamp attachment.
Cable length 150 cm or 300 cm.



CX-Magnetic Surface probe

Surface probe with attachment.
Cable length 150 cm or 300 cm.



CX-Wire Surface probe

To be attached to a substrate by using glasstape.
Cable length 150 cm or 300 cm.