

# PosiTest<sup>®</sup> **OTL**

*Oven Temperature Logger*

Measures and records oven temperature profiles



Record up to 40,000 datasets  
into 6 independent batches

High temperature stainless steel  
barrier box for long run times



**DeFelsko<sup>®</sup>**  
The Measure of Quality

# PosiTest<sup>®</sup> OTL

## Oven Temperature Logger

The PosiTest OTL Oven Temperature Logger with included barrier box and holder is ideal for measuring oven temperature profiles.

### Features

- Simple, easy-to-use interface
- 6 K-type thermocouple ports (channels)
- Measures and records up to 40,000 datasets (240,000 readings) in up to 6 batches
- Records measurements every 2 seconds for up to 22 hours of recording time
- Download, view, and analyze batch data using PosiSoft Desktop software. Export .CSV files for easy import into spreadsheets.
- **NEW** Cure Index compares supplier's cure specifications to actual oven and part temperatures to ensure a proper cure
- Bright LEDs indicate logger status at a glance
- High temperature stainless steel barrier box with fiberglass insulation for long run times at high temperatures. Contains no silicone.
- Certificate of Calibration showing traceability to NIST included

### Temperature Probes

- Wide variety of temperature probes available with 1.8, 3.6, or 6 m (6', 12', or 20') stainless steel braided cables (sold separately). See the following page for details.
- Certificate of Calibration showing traceability to NIST included

### PosiTest OTL Specifications

<b>Channels</b>	6 K-type non-grounded thermocouples
<b>Thermocouple Measurement Range</b>	-100 to 1000° C -148 to 1832° F
<b>Logger Operating Temperature Range</b> PosiTest OTL without Holder or Barrier Box	0 to 70° C 32 to 158° F
<b>Logger Accuracy</b>	±0.5° C ±0.9° F
<b>Resolution</b>	0.1° C 0.1° F
<b>Memory</b>	40,000 Datasets. Each Dataset consists of up to 6 channels.
<b>Sample Interval</b>	2 seconds (Fixed) Maximum recording time is 22 hours

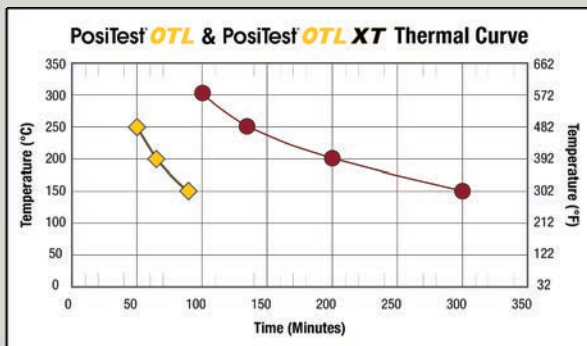
**Power Source:** 2 AAA batteries  
**Battery Life:** 30 hours (recording time)

**Size:** 30.5 x 25.5 x 15 cm (12" x 10" x 6")  
**Weight:\*** 9 kg (20 lbs.)

\* Weight includes the PosiTest OTL, Holder, and Barrier Box. Holder XT increases weight to 11 kg (25 lbs.).

### Two Kits available

The PosiTest OTL is available in two configurations. The PosiTest OTL XT features an enhanced holder with heatsink for greater endurance at high temperatures.



◆ PosiTest OTL Kit      ● PosiTest OTL XT Kit

	PosiTest OTL (OTLKIT)	PosiTest OTL XT (OTLKITXT)
150° C (302° F)	90 minutes	300 minutes
200° C (392° F)	65 minutes	200 minutes
250° C (482° F)	50 minutes	140 minutes
300° C (572° F)	not recommended	100 minutes

The chart and table above represent the combined thermal characteristics of the PosiTest OTL, Barrier Box and choice of Holder/Holder XT

### Ordering Guide

PosiTest OTL Kit	OTLKIT
PosiTest OTL XT Kit	OTLKITXT

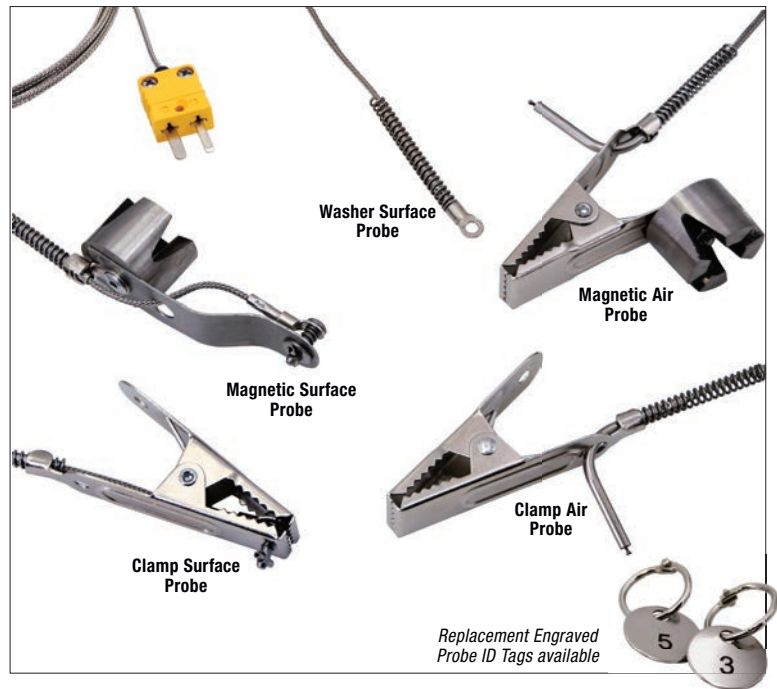


**LOGGER KITS COME** with temperature logger, stainless steel high temperature barrier box, choice of holder, 6 engraved probe ID tags, two AAA batteries, instructions, Long Form Certificate of Calibration traceable to NIST, carrying case, USB cable, PosiSoft Desktop software, and two year warranty.



## Temperature Probe Options

Temperature Probes	Temperature Range	Order Code
Spring Clamp – Surface Probe: 1.8 m (6')	-100 to 500°C -148 to 930°F	PRBOTLCS6
Spring Clamp – Surface Probe: 3.6 m (12')		PRBOTLCS12
Spring Clamp – Surface Probe: 6 m (20')		PRBOTLCS20
Spring Clamp – Air Probe: 1.8 m (6')	-100 to 300°C -148 to 570°F	PRBOTLCA6
Spring Clamp – Air Probe: 3.6 m (12')		PRBOTLCA12
Spring Clamp – Air Probe: 6 m (20')		PRBOTLCA20
Magnetic – Surface Probe: 1.8 m (6')	-100 to 500°C -148 to 930°F	PRBOTLMS6
Magnetic – Surface Probe: 3.6 m (12')		PRBOTLMS12
Magnetic – Surface Probe: 6 m (20')		PRBOTLMS20
Magnetic – Air Probe: 1.8 m (6')	-100 to 300°C -148 to 570°F	PRBOTLMA6
Magnetic – Air Probe: 3.6 m (12')		PRBOTLMA12
Magnetic – Air Probe: 6 m (20')		PRBOTLMA20
Washer – Surface Probe: 1.8 m (6')	-100 to 500°C -148 to 930°F	PRBOTLW6
Washer – Surface Probe: 3.6 m (12')		PRBOTLW12
Washer – Surface Probe: 6 m (20')		PRBOTLW20

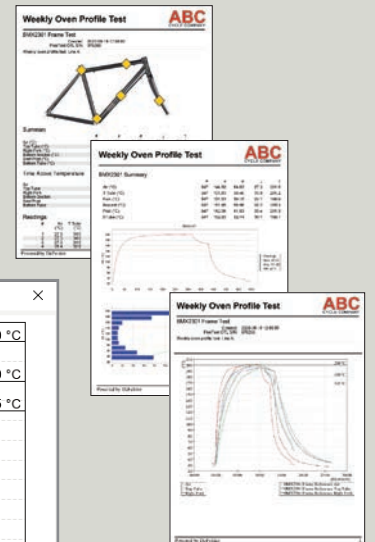


## PosiSoft Desktop

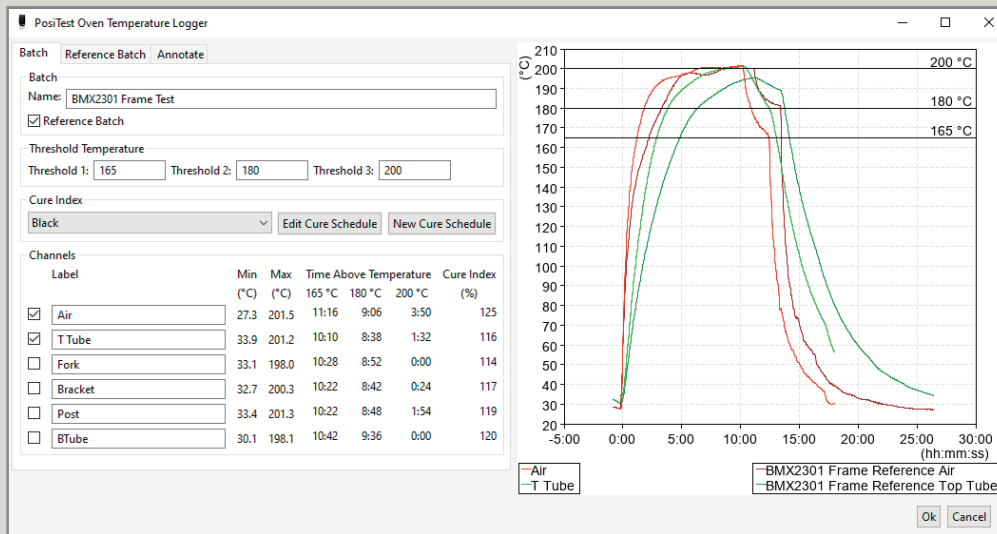
FREE powerful desktop software (PC/Mac) for downloading, viewing, printing, and storing measurement data.

Add supplier cure schedule specifications, batch annotations, label individual channels, set threshold temperatures, and compare datasets to reference batches.

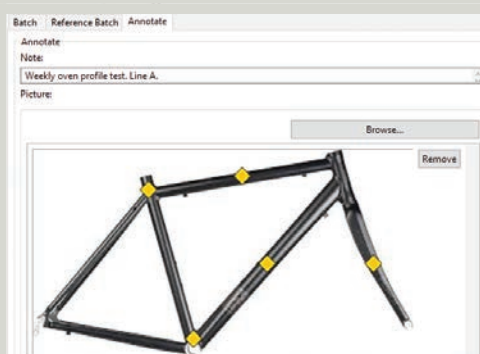
Includes a customizable, templated PDF Report Generator. No internet connection required.



Assign names to each channel and view **Cure Index**, **Time above Temperature**, and other statistics



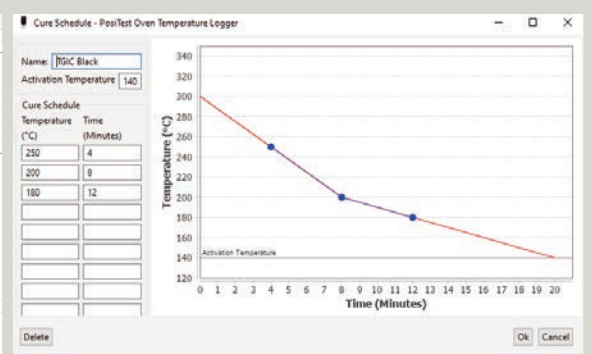
**Customizable PDF Report Generator**—add custom cover pages and logos, and choose to display images, charts, histograms, and/or readings



**Annotate**—add notes and images to document probe placement and other observations

Name	n	Type	Created	Probe S/N	Gage S/N
No Reference					
BMX2301 Frame Test	547	OTL	2020-05-18 12:58:50	976266	976266
BMX2301 Frame Reference	819	OTL	2020-05-18 12:58:49	976266	976266

**Reference Batch**—store optimal cure reference profiles to compare measurement results



**NEW Cure Index** calculates the correct time at temperature based on supplier's cure specifications to ensure a proper cure

## Coating Thickness Gages for Before and After Cure

### 1) PosiTector 6000 Series

Standard and Advanced features for measuring coating thickness on ALL metal substrates

### 2) PosiTest DFT Dry Film Thickness Gage

Economical coating thickness gage for ALL metal substrates

### 3) PosiTest PC Powder Checker

Non-contact coating thickness gage for measuring uncured powder coating thickness to predict a cured thickness

### 4) DeFelsko Powder Comb

Notched comb for measuring uncured powder height to ensure correct cured film thickness

### 5) Powder Inspection Kit

Complete solutions for measuring powder coating before and after cure

#### Each kit contains:

- PosiTest PC Uncured Powder Thickness Gage
- Choice of dry film thickness gage
- Two DeFelsko Powder Combs (models 1 and 4)

Select from 6 pre-configured kits or build your own at [www.defelsko.com/PCKits](http://www.defelsko.com/PCKits)

