

PosiTest[®] **OTL**

Oven Temperature Logger

Measures and records oven temperature profiles

NEW



Record up to 40,000 datasets
into 6 independent batches

High temperature stainless steel
barrier box for long run times



DeFelsko[®]
The Measure of Quality

PosiTest[®] OTL

Oven Temperature Logger

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

Features

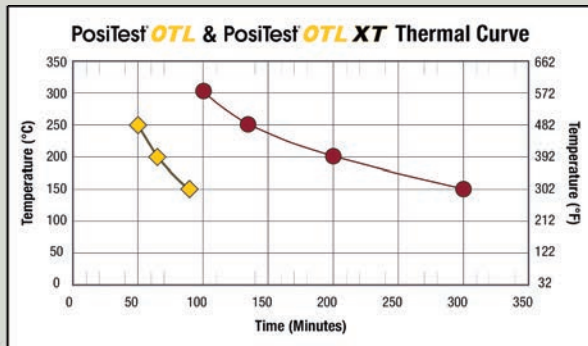
- Simple, easy-to-use interface
- 6 K-type thermocouple ports (channels)
- Measures and records up to 40,000 datasets (240,000 readings) in up to 6 batches
- Records measurements every 2 seconds for up to 22 hours of recording time
- Download, view, and analyze batch data using PosiSoft Desktop software. Export .CSV files for easy import into spreadsheets.
- 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

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 |

PosiTest OTL Specifications

| | |
|--|---|
| Channels | 6 K-type non-grounded thermocouples |
| Thermocouple Measurement Range | -100 to 1000° C -148 to 1832° F |
| Logger Operating Temperature Range PosiTest OTL without Holder or Barrier Box | 0 to 70° C 32 to 158° F |
| Logger Accuracy | ±0.5° C ±0.9° F |
| Resolution | 0.1° C 0.1° F |
| Memory | 40,000 Datasets. Each Dataset consists of up to 6 channels. |
| Sample Interval | 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.).

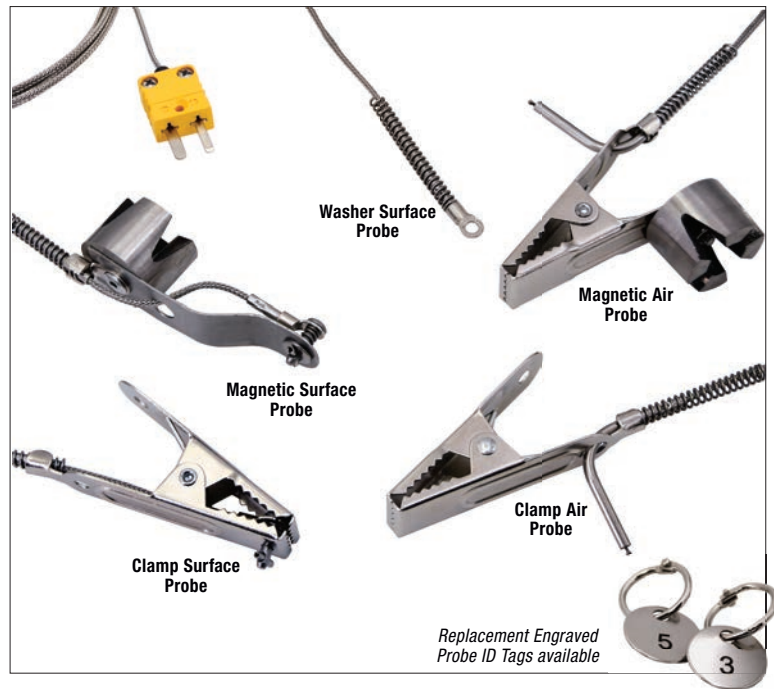


LOGGER KITS COME with temperature logger, stainless steel high temperature barrier box, choice of holder, 6 engraved probe ID tags, two AAA batteries, instructions, Long Form Certificate of Calibration traceable to NIST, carrying case, USB cable, PosiSoft Desktop software, and two year warranty.



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 500°C -148 to 930°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 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.

Graph Readings for up to 6 channels and compare to stored reference profiles

Add imagery and notes to any report

Add an image to identify probe placement

Add up to 3 Threshold Temperatures to calculate Time above Temperature

Rename channels

Use cursor to hover and identify individual channels (traces)

Store optimal cure reference profiles to compare measurement results

Select one or more reference channels to plot alongside measurement data

Start At Temperature sets the time to 00:00 when the selected channel reaches the threshold temperature, making it easier to compare batch results with reference data

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

