

# temp-gard

## Oven Temperature Recorder

The temp-gard temperature recorder system measures and saves object and air temperature during the cure process. Documentation and analysis of temperature profiles is made easy with the included temp-chart software: all you need to control and optimize your baking process.

The temp-gard data logger comes in two configurations, 12 temperature probe connections or 6 probe connections. The data logger has a new innovative design with a large color graphics display and flash drive connection for easy data transfer.

### temp-gard system

- Flash drive interface provides easy data transfer for in the field or in plant locations
- Long battery life using 3 standard AA alkaline batteries
- Large color screen for numerical or graphical display of data
- Robust thermal barrier made of stainless steel with safe high temperature insulation
- High accuracy guarantees long-term reliable results
- Light weight easy to carry thermal barrier



### Ordering Information

Cat. No.	Description
PT-3319	temp-gard 12p
PT-3317	temp-gard 6p
SE-3300	Extended Warranty -one year additional

### Comes complete with:

- temp-gard datalogger instrument
- temp-chart software
- 1 Thermal barrier
- 1 Set of heat sinks
- 1 Probe for air temperature, magnet, 3m (PT-3131)
- 1 Interface cable to PC
- 3 AA Alkaline batteries
- Operating manual
- Certificate
- Carrying case
- Object temperature probes magnet, 3m (PT-3125) for:
  - temp-gard 6p 5 object probes
  - temp-gard 12p 11 object probes

**Certified**

For Preventive Maintenance see page 273.

### Technical Specifications

<b>Accuracy</b>	± 0.5 °C
<b>Resolution</b>	0.1 °C (0.18 °F) from 0 - 400°C (32 - 752 °F)
<b>No. of Channels</b>	6 or 12
<b>Memory</b>	20,000 readings per channel
<b>Sampling Interval</b>	0.1 sec up to 24 hrs
<b>Temperature Range</b>	0 - 400 °C (32 - 752 °F)
<b>Battery Capacity</b>	0.5 sec interval = 50 hrs
<b>Display</b>	Color, 79 x 60 mm (3.1 x 2.4 in)
<b>Interface</b>	USB 2.0
<b>Thermal Barrier Dimensions</b>	255 x 215 x 135 mm (10.0 x 8.5 x 5.3 in)
<b>Weight</b>	3.56 kg (7.82 lbs)
<b>Maximum Duration</b>	at 100 °C, 8.5 hrs; at 200 °C, 3.0 hrs; at 250 °C, 2.5 hrs

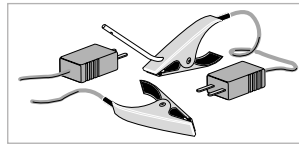
### Hardware Requirements:

- Operating system: Windows® 2000 or higher
- Excel® version: 2002 or higher VBA
- Memory: min. 256 MB RAM (recommended 512 MB)
- Hard disk capacity: min. 100 MB
- Monitor resolution: XGA (1024 x 768) or higher
- Disk drive: CD-ROM or DVD
- Interface: USB-port

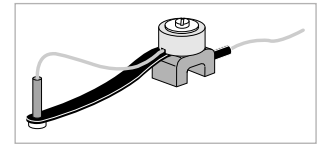
# temp-gard Accessories

## Temperature Probes for any Application

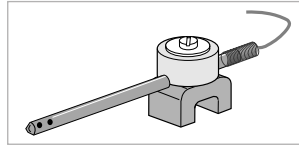
- High quality thermocouple type "K" with special limits of error 1.1 °C or 0.4 % (ANSI MC 96.1)
- Magnets or clamps do not influence measurement results
- Connection cable of 1.5 m (59 in), 3 m (118 in) and 8 m (315 in) length available (see table)
- Response time for 100 % measuring range from 5 seconds to 2.5 minutes depending on probe style
- Can be used as replacement probes for other datalogger brands



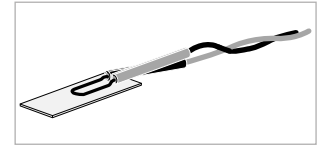
Style C Style A



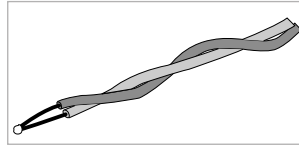
Style B



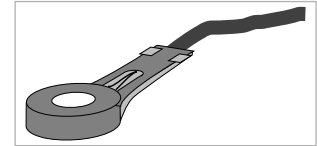
Style D



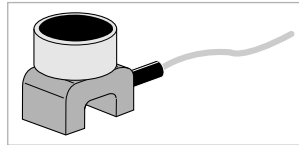
Style E



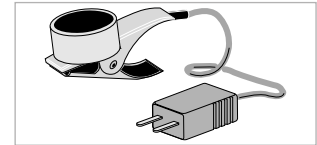
Style F



Style G



Style H



Style I

### Ordering Information

Cat. No.	Description
PT-3121	Object Probe
PT-3122	Object Probe
PT-3123	Object Probe
PT-3124	Object Probe
PT-3125	Object Probe
PT-3126	Object Probe
PT-3127	Air Probe
PT-3128	Air Probe
PT-3129	Air Probe
PT-3130	Air Probe
PT-3131	Air Probe
PT-3132	Air Probe
PT-3133	Foil Probe
PT-3134	Open Probe
PT-3135	Open Probe
PT-3136	Open Probe
PT-3147	Open Probe (0.3 mm)
PT-3137	Extension
PT-3138	Extension
PT-3146	Object Probe
PT-3143	IR Probe
PT-3144	IR Probe
PT-3038	Adhesive Tape
PT-3325	Thermal Barrier
PT-3326	Heat Sink
PT-3320	temp-gard logger 12p
PT-3318	temp-gard logger 6p

### Accessories

Style	Probe	Length	Attachment	Max Temperature
A	object	1.5 m	clamp	509 °F (265 °C)
A	object	3 m	clamp	509 °F (265 °C)
A	object	8 m	clamp	509 °F (265 °C)
B	object	1.5 m	magnet	509 °F (265 °C)
B	object	3 m	magnet	509 °F (265 °C)
B	object	8 m	magnet	509 °F (265 °C)
C	air	1.5 m	clamp	509 °F (265 °C)
C	air	3 m	clamp	509 °F (265 °C)
C	air	8 m	clamp	509 °F (265 °C)
D	air	1.5 m	magnet	509 °F (265 °C)
D	air	3 m	magnet	509 °F (265 °C)
D	air	8 m	magnet	509 °F (265 °C)
E	foil	1.5 m		509 °F (265 °C)
F	open junction	1.5 m		509 °F (265 °C)
F	open junction	3 m		509 °F (265 °C)
F	open junction	8 m		509 °F (265 °C)
F	open junction	3 m		509 °F (265 °C)
	extension	3 m		509 °F (265 °C)
	extension	5 m		509 °F (265 °C)
G	object	1.5 m	washer 2 mm	932°F (500 °C)
H	IR	3 m	magnet	509 °F (265 °C)
I	IR	3 m	clamp	509 °F (265 °C)
				heat-proof adhesive tape for attachment of foil probes
				incl. 2 heat sinks, max duration at 250 °C, 3h
				1 piece
				logger with 12 probe connections
				logger with 6 probe connections