

# temp-gard pro

## Oven Temperature Recorder

The temp-gard temperature recorder systems measure and save object and air temperature during the cure process. Documentation and analysis of temperature profiles is made easy with the included temp-chart software. BYK-Gardner offers a complete line of oven recorders, which allow you to control and optimize your baking process – independent of paint system or measurement points.



## Small Logger, Big Display

The large color LCD display allows setting the measurement parameters directly on the logger and the temperature profile of all connected probes is displayed on the screen. Two standard AA Alkaline batteries ensure a long battery life. USB interfaces provide quick and easy data transfer to the PC. The certified high accuracy guarantees long-term reliable results.



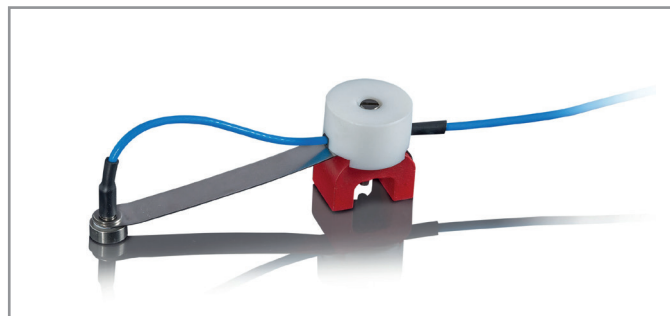
## Thermal Barrier with Perfect Design

The high-performance thermal barrier is compact and light weight with magnetically attached cooling elements. The thermal characteristics were designed with a temperature buffer to be safe for all common coatings – waterborne, solventborne or powder - up to 2 hours at 250°C. The robust stainless steel housing is easy to clean and its rounded corners provides ergonomic handling.



## 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





| Catalog Number                                 | 3306                                                             | 3307                                            | 3308                                       | 3309                                              | 3317                                               | 3319                                                 | 3329                                               |
|------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------|---------------------------------------------------|----------------------------------------------------|------------------------------------------------------|----------------------------------------------------|
| Short Description                              | temp-gard pro 6p, no probes                                      | temp-gard pro 6p C                              | temp-gard pro 12p, no probes               | temp-gard pro 12p C                               | temp-gard pro 6p                                   | temp-gard pro 12p                                    | temp-gard dual                                     |
| Probe Type                                     | no probe                                                         | clamp                                           | no probe                                   | clamp                                             | magnetic                                           |                                                      |                                                    |
| Temperature Range                              | 0 - 400 °C<br>32 - 752 °F                                        |                                                 |                                            |                                                   |                                                    |                                                      |                                                    |
| Accuracy                                       | ± 0.5 °C                                                         |                                                 |                                            |                                                   |                                                    |                                                      |                                                    |
| Probes                                         | 6 probe connections at logger, No probes*                        | 6 clamp probes = one air probe, 5 object probes | 12 probe connections at logger, No probes* | 12 clamp probes = one air probe, 11 object probes | 6 magnetic probes = one air probe, 5 object probes | 12 magnetic probes = one air probe, 11 object probes | 24 magnetic probe = 2 air probes, 22 object probes |
| Resolution                                     | 0.1 °C (0.18 °F) from 0 - 400°C (32 - 752 °F)                    |                                                 |                                            |                                                   |                                                    |                                                      |                                                    |
| No. of Channels                                | 6                                                                |                                                 | 12                                         |                                                   | 6                                                  | 12                                                   | 2 x 12                                             |
| Sampling Interval                              | 0.1 sec up to 5 min                                              |                                                 |                                            |                                                   |                                                    |                                                      |                                                    |
| Thermal Barrier Dimensions                     | 25.5 x 21.5 x 13.5 cm (10.0 x 8.5 x 5.3 in)                      |                                                 |                                            |                                                   |                                                    |                                                      |                                                    |
| Maximum Duration                               | at 100 °C, 8.5 hrs;<br>at 200 °C, 2.5 hrs;<br>at 250 °C, 2.0 hrs |                                                 |                                            |                                                   |                                                    |                                                      |                                                    |
| Memory                                         | 240,000 readings                                                 |                                                 |                                            |                                                   |                                                    |                                                      |                                                    |
| Interface                                      | USB 2.0                                                          |                                                 |                                            |                                                   |                                                    |                                                      |                                                    |
| Display type or no display without placeholder | Color, 7.9 x 6 cm (3.1 x 2.4 in)                                 |                                                 |                                            |                                                   |                                                    |                                                      |                                                    |
| Battery Capacity                               | 0.5 sec interval = 25 hrs (AA Alkaline)                          |                                                 |                                            |                                                   |                                                    |                                                      |                                                    |
| Weight                                         | 3.6 kg<br>7.8 lb                                                 |                                                 |                                            |                                                   |                                                    |                                                      |                                                    |

#### Delivery Content

Temperature logger (3318)  
 6 / 12 / no probes depending on model:  
 For 3309 (3307): Air probe C, 3 m (3128), 11x (5) Object probe A, 3 m (3122)  
 For 3319 (3317): Air probe D, 3 m (3131), 11x (5x) Object probe B, 3 m (3125)  
 For 3306 and 3308: Contains No probes  
 Thermal barrier pro (3325)  
 Heat sink pro (3326)  
 USB interface cable (6337)  
 2 AA batteries  
 Software temp-chart pro (3311)  
 Certificate  
 Manual  
 Carrying case  
 1/2 day training

#### System Requirements

##### System Requirements:

Operating system: Windows® 7 or higher  
 Memory: min. 1 GB  
 Hard disk capacity: min. 100 MB  
 Monitor resolution: XGA (1024 x 768) or higher  
 Interface: USB-port

| Catalog Number | Short Description                       | Delivery Content                                                                            |
|----------------|-----------------------------------------|---------------------------------------------------------------------------------------------|
| 3325           | Thermal Barrier pro                     | 2 Heat sinks                                                                                |
| 3326           | Heat Sink pro                           |                                                                                             |
| 3320           | temp-gard logger 12p                    |                                                                                             |
| 3038           | Adhesive Tape for foil probe            |                                                                                             |
| 3311           | temp-chart pro                          | Download Software from <a href="http://www.byk-instruments.com">www.byk-instruments.com</a> |
| 6337           | USB Interface Cable for 6360, 6072-6075 |                                                                                             |
| 3121           | Object Probe A, 1.5 m                   |                                                                                             |
| 3122           | Object Probe A, 3 m                     |                                                                                             |
| 3123           | Object Probe A, 8 m                     |                                                                                             |
| 3124           | Object Probe B, 1.5 m                   |                                                                                             |
| 3125           | Object Probe B, 3 m                     |                                                                                             |
| 3126           | Object Probe B, 8 m                     |                                                                                             |
| 3127           | Air Probe C, 1.5 m                      |                                                                                             |
| 3128           | Air Probe C, 3 m                        |                                                                                             |
| 3129           | Air Probe C, 8 m                        |                                                                                             |
| 3130           | Air Probe D, 1.5 m                      |                                                                                             |
| 3131           | Air Probe D, 3 m                        |                                                                                             |
| 3132           | Air Probe D, 8 m                        |                                                                                             |
| 3133           | Foil Probe 1.5 m                        |                                                                                             |
| 3134           | Open Probe F, 1.5 m                     |                                                                                             |
| 3135           | Open Probe F, 3 m                       |                                                                                             |
| 3136           | Open Probe F, 8 m                       |                                                                                             |
| 3143           | IR Probe H, 3 m                         |                                                                                             |
| 3144           | IR Probe I, 3 m                         |                                                                                             |
| 3147           | Special Open Probe (0.3 mm)             |                                                                                             |
| 3146           | Object Probe G, 1.5 m                   |                                                                                             |
| 3149           | Washer Probe J, 3 m                     |                                                                                             |
| 3137           | Extension 3 m                           |                                                                                             |
| 3138           | Extension 5 m                           |                                                                                             |