

"Wireless" Temperature Profiler

OM-565



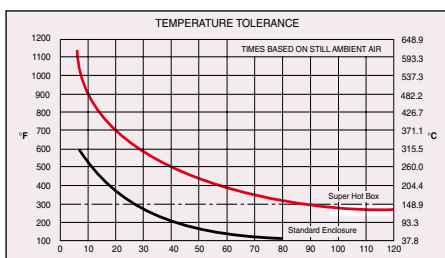
- ✓ **Monitors Every Step of Process**
- ✓ **Uses Up to 6 Type K Thermocouples**
- ✓ **Collects Up to 5460 Samples**
- ✓ **Sampling Interval from 0.1 Second to 24 Hours**

OMEGA's OM-565 6-channel, battery-powered temperature profiler can withstand very high or low temperatures. It is suitable for recording temperatures of conveyorized processes or where wiring and cabling is difficult, such as with ovens, wave soldering, and in-line cleaning operations. It is also ideal for monitoring the temperature of static objects; it can collect up to 5460 data points at intervals of hours, minutes, seconds, or tenths of a second, with the start of data collection delayed by a time or a threshold value. The OM-565 is powered by a detachable rechargeable battery pack.

Included with the OM-565 is a 6-channel, easy-to-use integrated programming analysis software package (for use with a PC).

The software package features:

- Simple mouse and menu interface
- Instantaneous graphs, statistics, and predictions
- Analytical tools for both general and highly specific industrial applications
- A prediction module that tells the user at what temperature to set the oven
- Up to 10 adjustable oven-zone temperatures and sizes
- 3-D view with "reverse angle" perspective
- Up to 3 threshold or temperature reference line settings
- Configurable formatting and "add notes" feature for custom-printed reports



Specifications

Inputs: Up to 6 Type K thermocouples (non-standard connections)

Measurement Range: -129 to 1300°C (-200 to 2372°F)

Internal Operating Temperature Range: 0 to 50°C (32 to 122°F)

Accuracy: Within ±1°C @ 38°C (1.8°F @ 100°F)

Programmable Sampling Period: 0.1 second to 24 hours with 1 channel active; 0.2 second to 24 hours with 6 channels active

Hardware Real-Time Clock/Calendar: ±1 minimum/month @ 25°C (77°F)

Open Thermocouple Detection: All 6 channels

Samples per Channel: 5460 samples for each of 6

Power Pack Charge: Highly variable; up to 6 hours possible

Charge Time: 14 hour

Expected Power Pack Life: 300 to 400 charging cycles

Operating Range: 6.25 to 5.00 V

Dimensions: 10 x 89 x 152 mm (0.4 x 3.5 x 6")

Standard Enclosure: 36 x 132 x 260 mm (1.4 x 5.2 x 10.25")

Super Hot Box Enclosure Option: 134 x 201 x 330 mm (5.25 x 7.9 x 13")

Case: 475 H x 533 W x 203 mm L (18 x 21 x 8")

Weight: 5.9 kg (13 lb)



OM-565

Supplied with 2 sets of 6 beaded thermocouples and wire caddy.



OMEGACARESM extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARESM covers parts, labor and equivalent loaners.

To Order

Model No.	Description
OM-565	Data logger, temperature profiler
OM-565X-PP	Spare power pack

For 230 Vac power, add suffix "**230V**" to model number, no additional cost.

Data logger comes as a complete kit with PC interface cable, analysis software (Windows compatible), survivor enclosure, power pack charger, 9 to 25-pin RS232 adaptor, 2 sets of 6 Type K thermocouples with organizer clips to hold the 6 thermocouple connectors together, thermocouple adhesive kit, rechargeable Ni-Cad power pack, aluminum carrying case and operator's manual.

Ordering Example: OM-565, data logger kit.

OCW-3, OMEGACARESM extends standard 1-year warranty to a total of 4 years.