Temp by... Trak™ Cooper ATKINS®

Wireless Temperature Monitoring

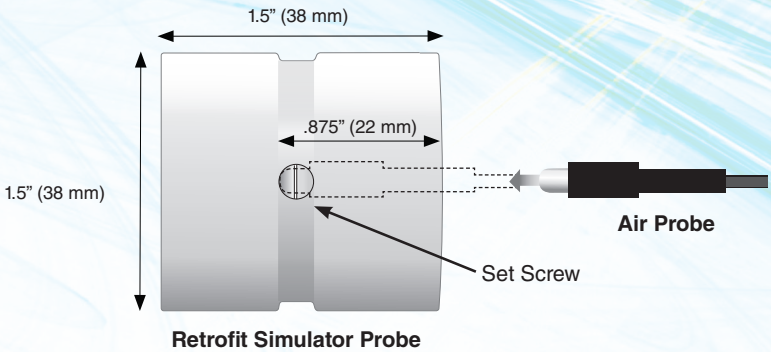
Retrofit Solid Simulator

#10185
Retrofit Solid Simulator



#2033
Air Probe





Specifications

10185 Retrofit Solid Simulator

- Temperature Limits: -25° to 180°F (-32° to 82°C)
- Stabilization: Up to 2 hours
- Material: FDA Approved
- Dimensions: 1.5” x 1.5” dia. (38 mm x 38 mm dia.)
- Weight: 2 oz (59 g)
- Patent Pending
- 1 Year Warranty

2033 Air Probe

- Temperature Range: -25° to 180°F (-32° to 82°C)
- Accuracy: ±0.4°F (±0.2°C) from 32° to 158°F (0° to 70°C)
- Response Time: 40 sec in 5 m / sec air stream
- Shaft Length: 0.5” (13 mm)
- Cord Length: 6’ (1.8 m)
- Weight: 0.5 oz (14 g)
- NIST Traceable
- 1 Year Warranty

RoHS

Description

Air temperatures fluctuate when refrigerator doors are opened and closed, but the actual temperature of the item stored in the cabinet is not affected unless the door is left open for a significant period of time. In response to the need to represent the actual product temperature, Cooper-Atkins has developed a series of product simulators. Now you can turn your existing air probe into a product simulator probe with the Retrofit Solid Simulator. The #10185 is designed to fit tightly over the Cooper-Atkins #2033 Air Probe, thus insulating / buffering the probe tip from the frequent air temperature changes. The material composition and thickness of the wall provide accurate simulated product temperature during changing ambient conditions. By using the Retrofit Solid Simulator to monitor refrigeration or freezer cabinets, the true temperature of the product inside will be registered. Assembly is simple and directions are included with each Retrofit Solid Simulator.

***See back for test results.**

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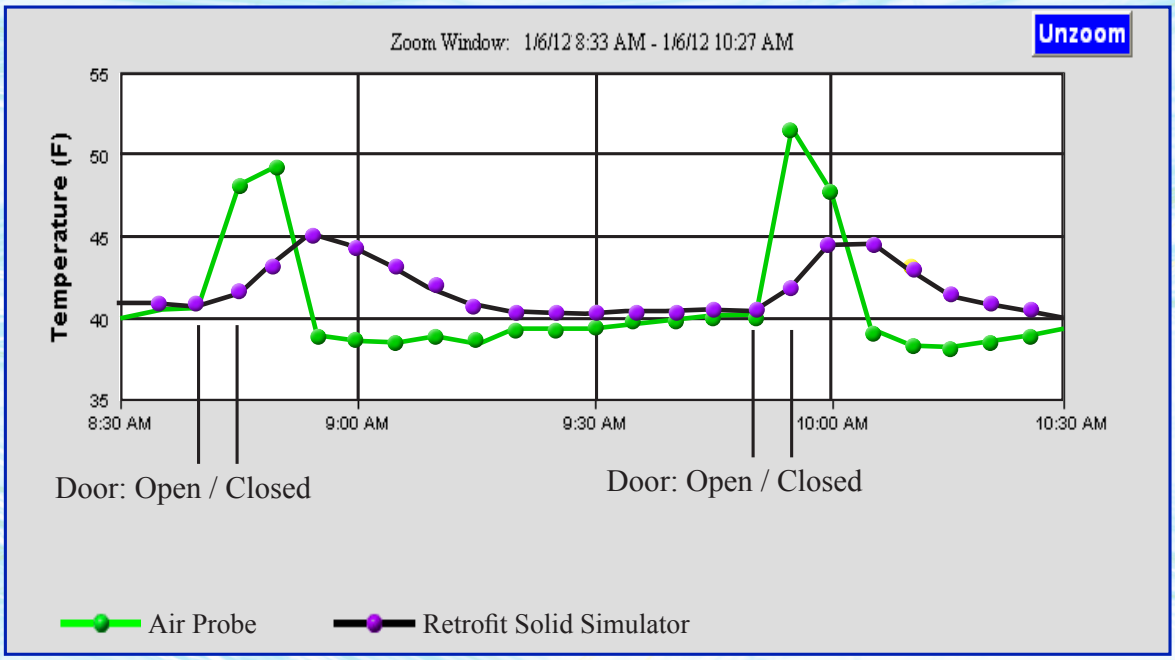
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Retrofit Solid Simulator Test

A test was conducted using an environmental chamber over a two hour time span in order to illustrate graphically how the #2033 Air Probe reacted to the changing ambient air temperature in comparison to the same Air Probe with the #10185 Retrofit Solid Simulator attached. Once both probes were allowed to stabilize at 41˚F, the chamber door was opened for 5 minutes, then shut for an hour. This process was repeated once more and the probe readings were recorded every 5 minutes. The graph below shows how the Air Probe reacted immediately when the door was opened, rising 7-10 degrees, while the Retrofit Solid Simulator remained stable, rising only 4 degrees after 5 minutes.

Test: Air Probe vs. Retrofit Solid Simulator



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