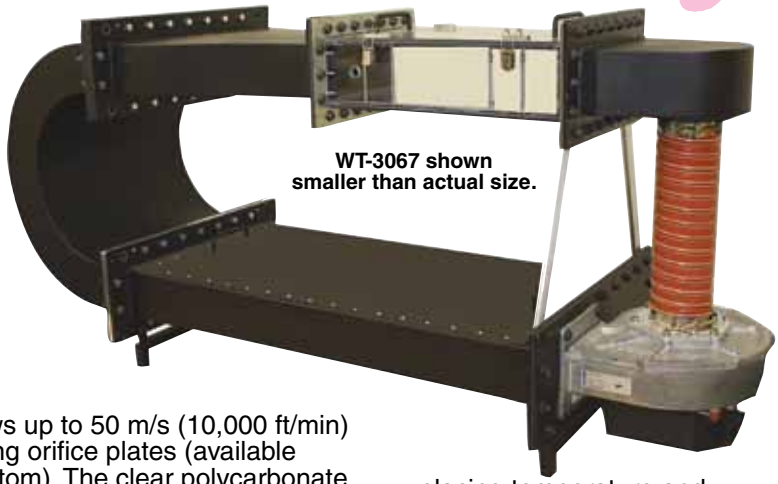
LABORATORY-GRADE BENCHTOP CLOSED LOOP WIND TUNNEL

NEW

WT-3067

1 YEAR WARRANTY

RoHS



WT-3067 shown smaller than actual size.

- Quick Access Panel
- Sensor Ports (6)
- Control Flow and Temperatures While Viewing Data and Monitoring Events
- Very Low Turbulence Intensity

Applications

- High Temperature Testing
- Heat Sink Characterization
- Sensor Calibration
- Component Testing
- Aerodynamic and Pressure Drop Measurement
- Multiple PCB Testing

The WT-3067 is a research-quality closed loop wind tunnel that provides a convenient, accurate system for thermally characterizing PCBs and individual components at controlled temperatures from ambient to 85°C (185°F).

The WT-3067 wind tunnel produces air flows up to 7 m/s (1378 ft/min). With customization, it can generate flows up to 50 m/s (10,000 ft/min) using orifice plates (available custom). The clear polycarbonate test section lets the user view the test specimen and allows for flow visualization.

Wind tunnel controller (included). Shown smaller than actual size.

Unlike open loop wind tunnels, the WT-3067 recirculates internal air. This allows the system heater to rapidly warm the air to a specific temperature. The testing of boards and components in hot air is a requirement in some NEBS and other standards. The precise controls and temperature range of the WT-3067 wind tunnel allow its use for testing heat sink performance and for calibrating air and temperature sensors.

The complete wind tunnel fits on most lab benches and is powered from standard AC outlets. It has a smaller footprint than traditional, closed loop wind tunnels or environmental test chambers.

The WT-3067 is provided with a controller for controlling the flow and temperature in the wind tunnel. The controller comes with a graphical user interface to automate the wind tunnel operation.

The WT-3067 test section can be accessed from the top door for mounting and repositioning of boards, components and sensors. Internal rail guides provide an easy mechanism to install test specimens of different sizes (e.g. PCB, heat sink).

Instrument ports (6) are provided in the side walls of the test section for placing temperature and velocity sensors such as thermocouples, pitot tubes and hot-wire anemometers. Sensors to measure the flow parameters are also available by OMEGA as optional accessories.

Software screen shot

SPECIFICATIONS

Wind Tunnel:
143.6 L x 49.3 W x 67.7 cm H
(56.5 x 19.4 x 26.6")
Test Section: 41.8 L x 22.5 W x 8.9 cm H
(16.4 x 8.9 x 3.5")
Number of Sensor Ports: 6
Flow Range: 0 to 7 m/s
(0 to 1200 ft/min)
Flow Uniformity: ±1%
Flow Accuracy: ±2%
Temperature Range:
Up to 85°C (185°F)
Temperature Accuracy: ±1°C
Weight: 70.7 kg (156 lb)
Main AC Voltage: 220 Vac
Main AC Fuse: 20 Amps
Minimum Support Table Size:
115 L x 50 cm W (45.2 x 19.7")

To Order

Model No.	Description
WT-3067	Laboratory-grade benchtop closed loop wind tunnel

Comes complete with wind tunnel controller, (6) instrument ports, software and operator's manual.

C

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