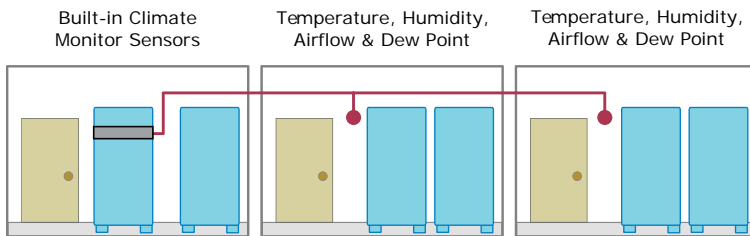# GEIST
MONITOR

RTAFHD3
Part Number: RTAFHD3-12/20/25/50/100

RTAFHD3 (Remote Temperature, Airflow, Humidity, Dew Point) is an all-in-one sensor providing multiple remote environment readings as a complete package.
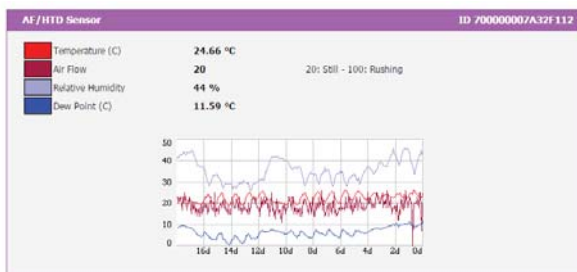
- Provides measurements for temperature, humidity, air flow and dew point
- Accurate and compact, easy to install
- Compatible devices support up to 4 or 16 sensors, depending on model
- Get alerts via email, SNMP and/or phone call*

Built to remotely monitor computer cabinet or server room conditions, the RTAFHD3 contains sensors for determining temperature, humidity, air flow and dew point. Set multiple alarms and get alerts via email, SNMP or voice phone call*. Up to 4 ot 16 sensors can be attached to a Geist Climate Monitor, depending on model. Sensors can span a total cable distance of up to 600'.

A plastic tube contains the sensors and supporting circuitry. Connects to a digital port.

These graphs show sensor accuracy for temperature and humidity.

Monitoring several locations with a Geist Climate Monitor and RTAFHD3 sensors.

Like other digital sensors, RTAFHD3 sensors communicate with a Geist Climate Monitor through a serial protocol. When the sensor is plugged into a digital sensor port, the monitor automatically detects and identifies the sensor. Each sensor can be given a "friendly" name for easy identification. Sensor readings are collected, logged and graphed by the Geist Climate Monitor along with alarm configuration and notification.
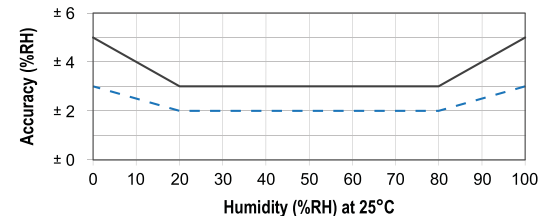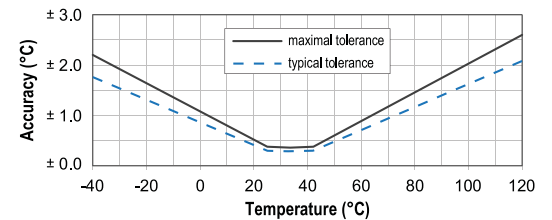

*voice-call alerts require auto-dialer accessory and a Climate Monitor equipped with relay outputs

Sensor Details

Specifications
Temperature:
- Normal operating range: 5 to 60 °C (41 to 140 °F), 20-80% RH
- Maximum Operating Range: -40 to 85 °C (-40 to 185 °F), 0-100% RH
- Accuracy: +/-0.5 °C (0.9 °F), +/-2% RH (over normal operating range)
- +/-1 °C(1.8 °F) and +/-5% RH (outside of normal operating range)

Humidity: Normal operating range: 20% to 80% RH
- Accuracy (normal range): +/- 2% RH at 25°C
- Extended range: 0% to 100% RH

Dew Point: -40 to 185 °F (-40 to 85 °C)
Air Flow: 0 to 100 (relative value)
Cable type: Cat-3 with RJ-12 connector
Cable length: 12', 20', 50', 100' or custom
Warranty: 1 year

Compatibility
Works will all climate/power monitors with digital ports
Geist Climate Monitor Series II units and Watchdog 1000-series units require firmware v3.5.0or higher
Original Geist Climate Monitor units require firmware v2.94 or higher
16 sensors / 600' total cable length