

°C Port1200

Applications

- Data Center
 - Server Exhaust/Intake Analysis
- HVAC
 - High Performance HVAC Product Design
 - Ductwork & Ventilation System Commissioning
- Information Technology
 - Computational Fluid Dynamics Validation
 - PCB Airflow Impedance Styling
- Laboratory & Research
 - Biosafety Cabinet Design & Validation
- Telecommunication
 - Surface Condensation & Humidity Analysis

Degree Controls, Inc.

is an ISO-9001 certified, world-class designer and manufacturer of airflow sensing, monitoring, and control solutions. With over 25 years of proven experience, we pride ourselves on delivering solutions which provide the value, differentiation, and service required by our customers, to meet the rapidly changing competitive landscape that they face.

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Overview

Single point measurement devices such as vein anemometers or hand-held probe anemometers are cumbersome, interfere with the airflow profile, and are generally non-repeatable due to the nature of the hand-held setup. The °C Port1200 takes care of these limitations and logs airflow data with an easy to use, Windows compatible software tool called AccuTrac™. The °C Port may be purchased as an Ethernet only device or with added Wi-Fi capability.

The °C Port1200 is a reliable and user-friendly 12-channel measurement instrument, specifically designed for the demands of product developers and airflow analysts worldwide. Air velocity, humidity, and temperature sensors are available in different packages for a variety of testing applications. The °C Port1200's internal pressure sensor compensates for changing ambient conditions during a test, providing the user with the best accuracy and repeatability at all times.

The AccuTrac™ software can turn your Windows-based PC into a powerful data logging and analysis system. Using an Ethernet or wireless interface, the °C Port1200 joins your network just like any other device, allowing multiple users to access ongoing experiments.

The °C Port family of multipoint sensing instruments has been used by designers, engineers, and data analysts for over 20 years in all industries where airflow performance is mission-critical and integral to long-term product reliability.

°C SPAR Sensor Pole Array can be used with the °C Port family of products



Multiple sensor head styles are available with UAS1000 air velocity & temperature sensors.

For humidity measurement, please see our UHS1000 Humidity Sensor. For surface temperature measurement, please see our UTS1000 Thermocouple Sensor.

Features

- Turn your Windows-based PC into a powerful air velocity and temperature measurement instrument with the °C Port1200 and AccuTrac™ software.
- Simultaneous measurement of air velocity, humidity, and temperature in real-time at up to 12 points. [For larger scale applications, see our °C Port3600]
- Built-in atmospheric pressure for best accuracy and repeatability.
- Designed for use with instrumentation-grade AccuSense™ USB air velocity, humidity, and temperature sensors.
- Miniature sensors designed for multipoint measurement with minimal disruption to flow profile.
- Built-in LCD display for easy viewing of status and IP address information.

Network Diagram



See the °C Port User Manual for additional information about wireless and wired connection types.

Specifications

Part Number	SH65211 °C Port1200 Ethernet Only Connection SH65210 °C Port1200 with Added Wi-Fi Capability <i>Note: Both SH65211 & SH65210 are Ethernet capable devices.</i>
Communication Interface	Ethernet or Wi-Fi dual band 2.4GHz/5GHz
LEDs	Power Indicator, Communication Ready Indicator
LCD Display	Shows status and IP address information
Supported Software	AccuTrac™
Country of Origin	Made in USA
Dimensions	170 mm x 155 mm x 57 mm [6.7" x 6.1" x 2.25"]
°C Port Weight / Kit Weight / Kit & Optional Case Weight	0.45 Kg [1 lbs.] / 1.13 Kg [2.5 lbs.] / 2.72 Kg [6 lbs.]
Power	100-250VAC, 50/60Hz, 2A max

Environmental

Operating Temperature	10 to 40°C (50 to 104°F)
Storage Temperature	-20 to 60°C (-4 to 140°F)
Operating Humidity	10 to 80%, relative humidity, non-condensing
Storage Humidity	5 to 90% non-condensing

Computer Requirements

Windows® PC with wireless adapter or ethernet port and AccuTrac™ software

Part Number

SH65211	°C Port1200 Ethernet Only Communication
SH65210	°C Port1200 with Added Wi-Fi Capability

Purchase of °C Port1200 includes °C Port, power supply, calibration certificate, quick start guide, and user manual. USB Series UAS, UTS, & UHS sensors are sold separately.

Note: AccuTrac™ software downloadable on www.degrec.com

