

T-DCI-F300-1A3 • T-DCI-F300-1B3 • T-DCI-F300-1C3



Air Velocity and Temperature Sensor

Versatile, rugged, high-performance air velocity and air temperature sensors; F300 series.

Supported Measurements

Air Velocity

Features

- Enables users to measure air velocity (in ducts, e.g.), from which CFM can be computed

Contact Us

Sales (8am to 5pm ET, Monday through Friday)

- Email sales@onsetcomp.com
- Call 1-508-759-9500
- In U.S. toll free 1-800-564-4377
- Fax 1-508-759-9100

Technical Support (8am to 5pm ET, Monday through Friday)

- Contact Product Support www.onsetcomp.com/support/contact
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

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Bourne, MA 02532

Air Velocity and Temperature Sensor (T-DCI-F300-1x3) Specifications

| | |
|---|--|
| Operating temperature range | 0°C to 60°C (32°F to 140°F) |
| Velocity range | 0.15 to 1.0 m/s (30 to 200 fpm) 0.5 to 10 m/s (100 to 2,000 fpm) 1.0 to 20 m/s (200 to 4,000 fpm) |
| Response time | 400ms |
| Storage temperature | -40°C to 105°C (-40°F - 220°F) |
| Relative humidity (non-condensing) | 5-95% |
| Supply power requirements | 4.5-15 VDC, 35mA nominal |
| Velocity Output | 0-5V |
| Temperature output | 0-5V |
| Housing Construction | Polycarbonate (PC), UL94-V0 (head) UL94-HB (housing) |
| Plenum rated cable | 22 AWG |
| Environmental Protection | IP65 electronics, including conformal coated sensing element |
| Accuracy | 0.15 to 1.0 m/s (30 to 200 fpm): \pm (1% of reading + 0.05 m/s [10 fpm]) 0.5 to 10 m/s (100 to 2,000 fpm): \pm (4% of reading + 0.10 m/s [20 fpm]) 1.0 to 20 m/s (200 to 4,000 fpm): \pm (5% of reading + 0.15 m/s [30 fpm]) |
| Sensor Length | 152mm [6.0"] |
| Max insertion depth | 110 mm [4.3"] |