

Catalogue

Duct Air Flow Transmitter

Air velocity and volume monitoring



NS-D1-0-30m/s-RS485

Product Overview

Duct ventilation monitoring

Measures air velocity and calculates airflow from the configured duct area. Multi-point sensing, an adjustable flange and silicone seal support duct installation.



Technical Data

Parameter	Specification
Model	NS-D1-0-30m/s-RS485
Supply	10-30 V DC
Media	Air, nitrogen, oil fumes
Velocity range	0-30 m/s
Accuracy	±2% FS
Resolution	0.1 m/s
Pressure range	0-500 Pa
Environment	-40 to +80 °C; ≤95% RH
Protection	IP65
Long-term stability	≤0.1 m/s/year
Output	RS485, Modbus RTU
Configuration	Buttons or RS485 commands
Duct options	DN315, DN400, DN440, DN560, DN660

Installation & Wiring

Mounting

Install from the duct side or bottom; do not mount downward from the top. Drill a Ø20 mm hole, insert the probe, align its opening with airflow, adjust the flange and tighten all three screws.

Electrical connections

Wire	Connection
Brown	Supply +
Black	Supply -
Yellow	RS485 A
Blue	RS485 B



Applications

Ventilation ducts, cleanrooms, filtered air intakes and fume extraction.