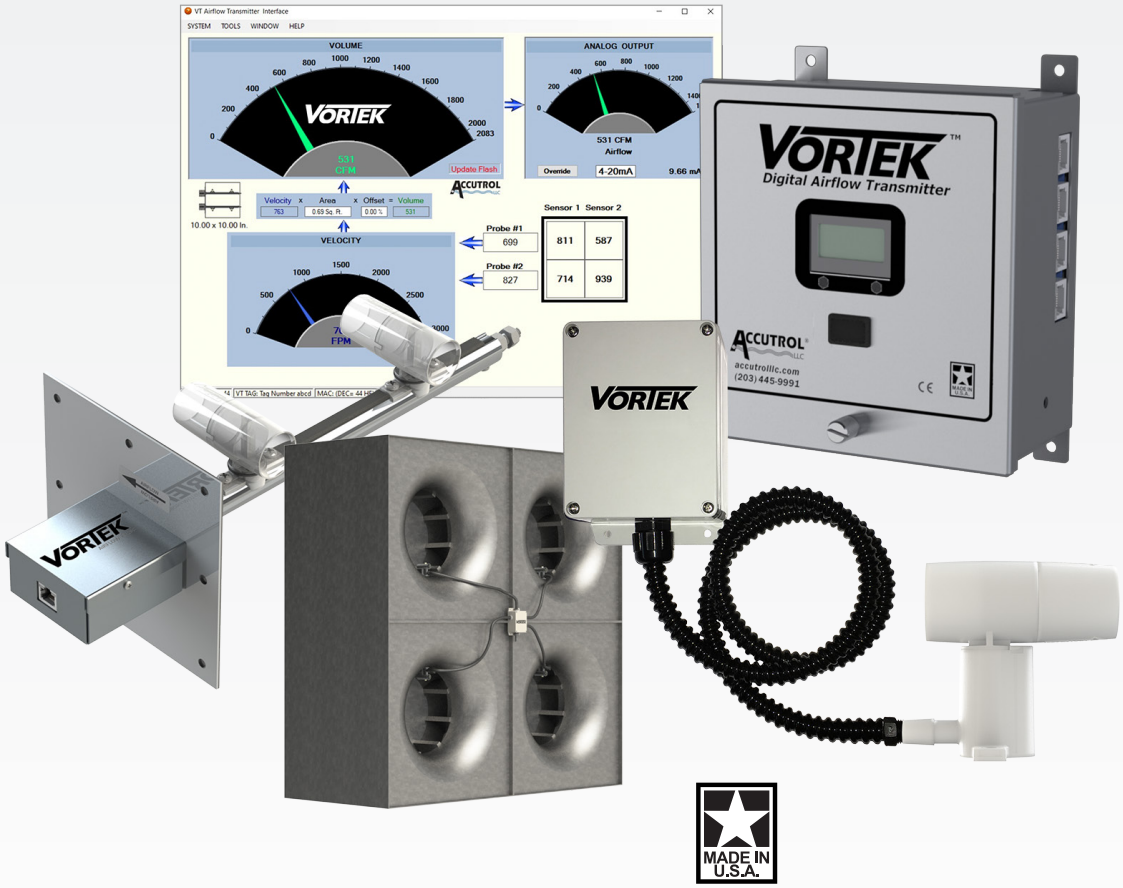
ACCUTROL® LLC

VORTEK™

Advantages



Accutrol, LLC • 21 Commerce Drive, Danbury, CT 06810 • 203-445-9991 • www.accutrolllc.com

VORTEK™

Advantages Over Thermal Dispersion

	VorTek	Thermal Dispersion
Measurement Theory		
Primary measurement	✔	✖
Sensors are stable over time	✔	✖
Every sensor has the same output	✔	✖
Every sensor has a linear output	✔	✖
True digital measurement	✔	✖
Sensor/Probes		
Sensor is immune to changes in humidity	✔	✖
NO periodic calibration requirement	✔	✖
Sensor does NOT require periodic cleaning	✔	✖
Digital technology instead of analog	✔	✖
Non proprietary RJ45 cable	✔	✖
Low cost sensor/probe replacement	✔	✖
Low cost cable replacement	✔	✖
Simple probe sensor construction	✔	✖
Probes are interchangable	✔	✖
Calibration		
NIST traceable standards on entire line	✔	✖
Electronics		
Microprocessor technology	✔	✔
Field upgradable firmware	✔	✔
Does NOT require high performance A/D converter	✔	✖
Low power requirements	✔	✖
Simple field airflow calibration	✔	✖
NO complex curve matching is required	✔	✖
Small electronics footprint	✔	✖
Modular Design		
One Electronics Platform for any sensor density	✔	✖
Field add for BACnet	✔	✖
Field add for sensors	✔	✖
Field add for remote display	✔	✖
User Interface		
Free intuitive graphical user interface	✔	✖
Does NOT use antiquated decision tree for field setup	✔	✖
Display is optional	✔	✖
Remote display is optional	✔	✖
Display is NOT required for setup	✔	✖

VORTEK™

Advantages Over Velocity Pressure

	VorTek	Pitot	Piezo Ring
Measurement Theory			
Primary measurement	✔	✔	✔
Sensors are stable over time	✔	✔	✔
Every sensor has the same output	✔	✔	✖
Every sensor has a linear output	✔	✖	✖
Sensor/Probes			
Independent multipoint velocity averaging	✔	✖	✖
High turndown	✔	✖	✖
Sensor is NOT affected by changes in humidity	✔	✖	✖
NO periodic calibration requirement	✔	✖	✖
Sensor does NOT require periodic cleaning	✔	✖	✖
Simple cable	✔	✖	✖
Calibration			
NIST traceable standards on entire line	✔	✖	✖
Sensor/Transmitter tested as a unit	✔	✖	✖
Sensor/Transmitter NIST as unit	✔	✖	✖
Electronics			
Microprocessor technology	✔	✖	✖
Field upgradable firmware	✔	✖	✖
Does NOT require high performance A/D converter	✔	✖	✖
Low power requirements	✔	✔	✔
Simple field airflow calibration	✔	✖	✖
Transmitter drift free	✔	✖	✖
Linear airflow output	✔	✖	✖
Modular Design			
One electronics platform for any sensor density	✔	✖	✖
Field add for BACnet	✔	✖	✖
Field add for sensors	✔	✖	✖
Field add for remote display	✔	✖	✖
User Interface			
Free intuitive graphical user interface	✔	✖	✖
Display is optional	✔	✖	✖