

Jumbo Display Process Controller with Air Velocity Transmitter



AI-JD-PV-AVT

Product Overview

Jumbo Display Process Controller with Air Velocity Transmitter is a reliable industrial monitoring solution designed for accurate air velocity measurement and real-time process indication. Equipped with an EE650 air velocity sensor and a large 4-digit LED display, it provides clear visibility from long distances. Supporting analog input types, optional RS-485 Modbus communication, and 4–20 mA retransmission, it integrates seamlessly with BMS and SCADA systems. Its IP65 sensor, rugged wall-mounted enclosure, and calibration certificate ensure dependable performance in HVAC, cleanrooms, ventilation, and industrial airflow monitoring applications.

Features

- Large Jumbo Display for long-distance visibility
- Real-Time Air Velocity Monitoring
- High Accuracy and Reliable Performance
- Fast Response for Instant Readings
- Continuous 24/7 Process Monitoring
- Easy Installation and User-Friendly Operation
- Industrial-Grade Durable Construction
- Enhanced Airflow and Process Control
- Low Maintenance and Long Service Life
- Ideal for Industrial and Commercial Applications

Dimensions



Sensor Specification

Model No	EE 650
Measuring Parameters	Air Velocity
Sensor	Air Velocity Sensor (EE650)
Measuring Range	0 to 10m/s (0 to 2000 ft/min), 0 to 15m/s (0 to 3000 ft/min), 0 to 20m/s (0 to 4000 ft/min) (factory setting)
Storage Temperature	-30°C to 60°C
Humidity Range	5 to 95 % RH
Response Time	<4 sec
Electrical Connection	Screw terminals , 1.5 mm ²
Electromagnetic compatibility	EN61326-1
Power Supply	24 V AC from Process Indicator
Material	Polycarbonate
Protection class	IP65

Controller Specification

Controller	Air Velocity Process Controller
Display	4 Digit 7 Segment LED Display of Height 4"
Excitation Voltage	Optional : 24V.D.C., 50mA Built In Supply for transmitter
Input	Analog 4-20 mA Or 0-10V from Sensor
Control Output	2 Relays NO/C/NC rated 230V/6 A
Communication	Optional RS 485 Modbus Protocol Communication for BMS/SCADA
Retransmission	Optional : 4-20 mA Retransmission
Power Supply	Standard 110V to 230 V.A.C, 50-60 Hz. / Optional 24 VDC
Enclosure	Wall Mountable Powder Coated M.S
Dimensions	535(L) X 255(H) X 70(D) mm
Supply Scope	1 Unit of Process Controller with Air Velocity Transmitter, Instruction Manual & Calibration Certificate
Calibration Certificate	Provided at no extra cost, traceable to National/International Standards, Valid for 1 year only
Weight	2.5 kg approx
Warranty	1 Year Manufacturing Warranty
Manufacturer	Ace Instruments

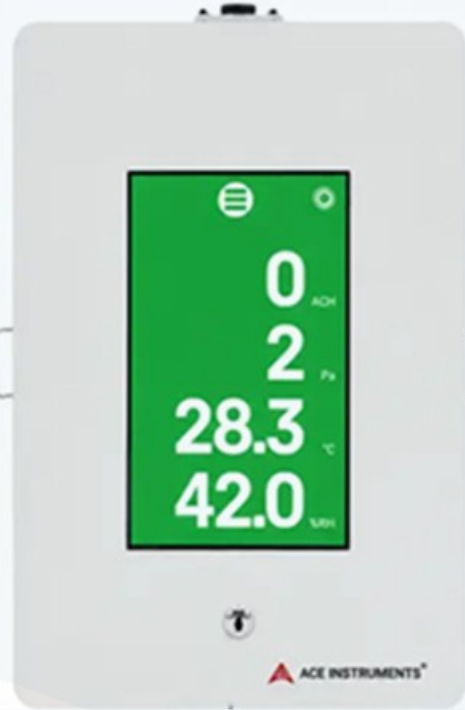
Wiring Diagram

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20
mA+	G	V+	+	-	-	+	-	A	B	G	NO	CO	NC	NO	CO	NC	L	E
ANALOG I/P			RTD I/P			mA O/P		RS-485			RELAY-1			RELAY-2		230VAC		

Compliance



Related Products



Fluke Infrared Thermometer



Testo Temperature Infrared Thermometer



E+E Elektronik Low Air Velocity Sensor



E+E Elektronik Low Air Velocity Sensor

Applications



HVAC System Monitoring



Industrial Ventilation Systems



Air Handling Units (AHU) Monitoring



Data Center Cooling Management

Temp | Humidity | Pressure | Differential Pressure | Vacuum | Gases | Particle | Air Flow
Moisture | Dissolved Oxygen | Radiation | Air Quality | Light / Lux | Distance | Vibration

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