



Note: Section A must be completed for pricing. Sections B, C, and D (if required) must be completed prior to order submission to Paragon.

SECTION A
FAATS-1000 CONSTRUCTION OPTIONS

A1: FAATS-1000 Configuration
 1= Modular Configuration: Remote HMI Display & Remote Sensor Module(s)
 2= Consolidated Configuration: Single Panel with HMI Display & Enclosed Sensor Module(s)

Notes:
 - For details on configurations see the Technical Data Sheet.

A2: Array 1 Fan Quantity (Specify)

A3: Array 2 Fan Quantity (Specify)
Notes:
 - For single array enter 0.

A4: HMI Display Enclosure
Options for Modular Configuration
 1= NEMA 1 Enclosure (Standard)
 2= NEMA 4 Enclosure
Options for Consolidated Configuration
 3= NEMA 1 Enclosure (Standard)
 4= NEMA 4 Enclosure

Notes:
 - NEMA 4 Enclosures are not temperature controlled (see operating temperature in technical data sheet) and include a Swing Panel Kit to mount the HMI display internally for UV protection.

A5: Array 1 Sensor Module Construction
Options for Modular Configuration
 1= Aluminum Enclosure (Standard)
 2= NEMA 4 Enclosure
Options for Consolidated Configuration
 3= Mounted in HMI Display Enclosure

A6: Array 2 Sensor Module Construction
 0= No Array 2
Options for Modular Configuration
 1= Aluminum Enclosure (Standard)
 2= NEMA 4 Enclosure
Options for Consolidated Configuration
 3= Mounted in HMI Display Enclosure

A7: Array 1 Optional Analog Input
 0=Not Required (Standard)
 1= Air Density Compensation Using Temperature Transmitter (TT) (NEMA 4 TT Packaged Separately)
 2= Total Fan Static (DPT-4001 must be ordered separately)

A8: Array 2 Optional Analog Input
 0=Not Required (Standard)
 1= Air Density Compensation Using Temperature Transmitter (TT) (NEMA 4 TT Packaged Separately)
 2= Total Fan Static (DPT-4001 must be ordered separately)

Notes:
 - For Options 0 & 2; a fixed temperature value will be used for the flow calculations. The default for supply air is 60°F and the default for return air is 70°F, unless a different temperature value is specified in the Notes Section on the FAATS-1000 Order Form.
 - For Option 1, the NEMA 4 TT supplied by Paragon has a temperature range of -30 to 130°F and an output of 4-20mA (See the NEMA 4 TT IO&M for full specifications).
 - There is a maximum of 2 inputs (air density compensation or total fan static) available per FAATS-1000, in any configuration
 - NEMA 4 Enclosure required for modular configuration with optional inputs

SECTION B
ARRAY COMMON CONFIGURATION REQUIRED PRODUCTION DATA

Note: This section is not included in the overall part number but must be completed prior to submitting an order to Paragon for proper fabrication.

B1: Site Elevation (specify)

B2: Engineering Units
 1=CFM (Standard)
 2=L/s
 3=m³/s
 4=m³/m
 5=m³/h

Note:
 - Engineering units are field selectable

B3: Communication Options
 1=BACnet MS/TP® Master (Standard)
 2=Modbus® RTU Slave

B4: Process Output
 1=4-20 mA
 2=0-5 VDC
 3=0-10 VDC

Notes:
 - The process output is linear to the array operating range.
 - Process output is field selectable.

B5: Outside Airflow Measurement Integration
 0=Not Required (Standard)
 1=Single OA Integration
 2=Dual OA Integration

Notes:
 - Only available when ordered with an OAFE-1550 configured for integration with the FAATS-1000

C - **C1** - **C2** - **C3** - **C4** - **C5** - D - **D1** - **D2** - **D3** - **D4** - **D5**

Note: Section A must be completed for pricing. Sections B, C, and D (if required) must be completed prior to order submission to Paragon.

SECTION C ARRAY 1 REQUIRED PRODUCTION DATA

Note: This section is not included in the overall part number but must be completed prior to submitting an order to Paragon for proper fabrication.

C1: Fan Array ID

Example: AHU-1 SA

C2: Array Rows (Specify)

C3: Array Columns (Specify)

C4: Fan Flow Coefficient/Area Factor (Specify)

Notes:

- If the FAATS-1000 is being connected to sensors with a flow coefficient (such as piezometer rings), enter the flow coefficient as specified by the manufacturer for the associated fan model/size **AND** provide the sensor data sheet or air handling unit submittal to Paragon at the time of order.
- If the FAATS-1000 is being connected to Paragon Model FE-1050 Fan Inlet Airflow Sensors, enter the area of the sensing area in square feet. For double wide/double inlet fans the area should be summed for both inlets.

C5: Array Total Design Maximum Flow Rate (Specify)

Notes:

- Enter the array total design maximum flow rate in units specified under Section B2.
- Operating Range will be based on the following:
 - For arrays with 1 fan, the operating range will be 110% of the total design maximum flow rate specified.
 - For arrays with 2 fans, the operating range will be 130% of the total design maximum flow rate specified.
 - For arrays with 3-10 fans, the array operating range will be based on the following formula to allow for individual fan flow measurement during a fan failed scenario.

$$\text{Operating Range} = N \times \frac{Q}{(N - 1)}$$

Where:

N = Number of Fans in Array

Q = Array Total Design Maximum Flow Rate

- For arrays with greater than 10 fans, the operating range will be 110% of the array total design maximum flow rate specified.
- To allow for field adjustment of the operating range, span selection is based on the following:
 - For FAATS-1000 connected to sensors with a flow coefficient, transducer span will be 40% greater than the operating range.
 - For FAATS-1000 connected to Paragon Model FE-1050 Fan Inlet Airflow Sensors, transducer span will be 20% greater than the operating range.

SECTION D ARRAY 2 REQUIRED PRODUCTION DATA

Note: For single array systems, skip this section. For dual array systems, this section must be completed prior to submitting an order to Paragon for proper fabrication. Refer to Section C for detailed notes for each of the below listed items.

D1: Fan Array ID

D2: Array Rows (Specify)

D3: Array Columns (Specify)

D4: Fan Flow Coefficient/Area Factor (Specify)

D5: Array Total Design Maximum Flow Rate (Specify)

FAATS-1000 ACCESSORIES

Note: Accessories are sold separately and are not included with the Fan Array Airflow Totalizing System

Options for Plenum Rated CAT5e Patch Cable (Shielded 24 Gauge Wire)

Length	5 Ft.	10 Ft.	25 Ft.	50 Ft.	75 Ft.	100 Ft.	150 Ft.
Ordering Code	CC1	CC2	CC3	CC4	CC5	CC6	CC7