SCOUT

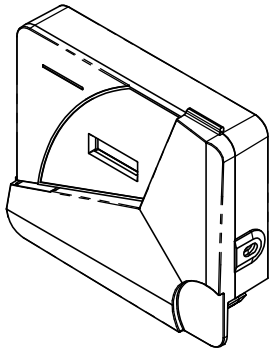
Stream - Airflow Measurement Platform

Product Submittal

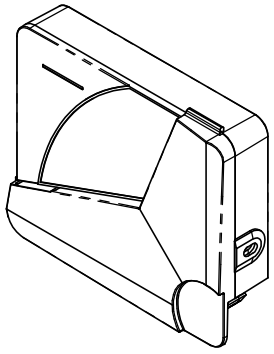
276620
Rev. F
2026-04-16

STREAM TRANSMITTER SPECIFICATIONS		
ENVIRONMENTAL (OPERATING)	−30°C to 70°C (−22°F to 158°F), 0% to 95% R.H. (NON-CONDENSING)	
INPUT POWER	24 VAC ± 10% Class 2, 50/60 Hz 19 VA MAX, 16 SENSORS (2.2 VA TRANSMITTER ONLY) 24 VDC (18 – 32 VDC) 550 mA MAX, 16 SENSORS (32 mA TRANSMITTER ONLY)	
INPUTS	2 UNIVERSAL INPUTS	BINARY (CONTACT CLOSURE or ACTIVE), VOLTAGE (0 – 10 VDC), RESISTIVE (0 – 50 kΩ)
OUTPUTS	4 ANALOG OUTPUTs (0 to 10 VDC, configurable; MAX: 10 mA)	
COMMUNICATION	BACNET IP, BACNET MS/TP (9600, 19200, 38400, 76800 baud rates) BLUETOOTH	
INDICATORS	STATUS LED BAR ANDROID/IOS/DESKTOP APP FOR DIAGNOSTICS & LCD DISPLAY (OPTIONAL)	
HOUSING	UL 94 V-0, PC-ABS PLASTIC	
CERTIFICATIONS & CONFORMANCE	BTL (B-ASC) CE Cert. to CSA E60730-1 Conforms to UL Std. 60730-1 Cert. to CSA E60730-2-9 Conforms to UL Std. 60730-2-9 FCC/IC	

OPTIONS:

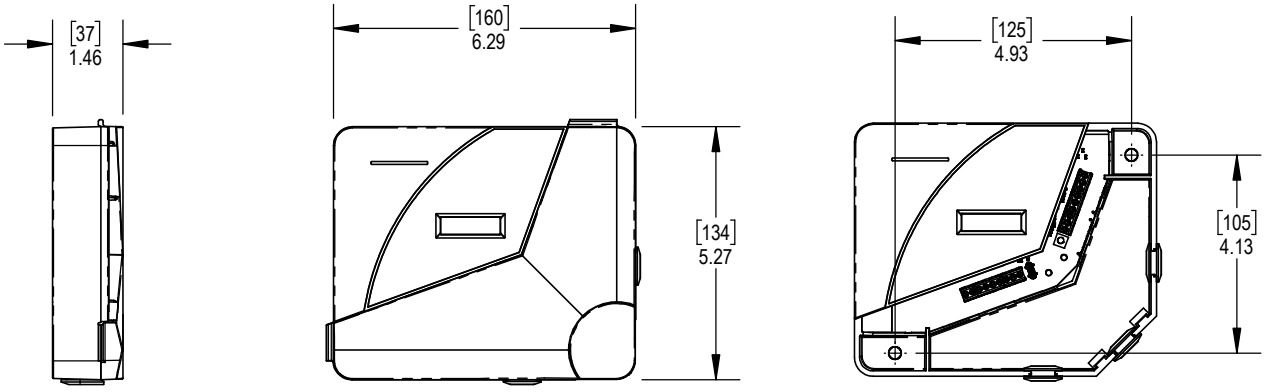


[WITH LCD DISPLAY]



[NO DISPLAY]

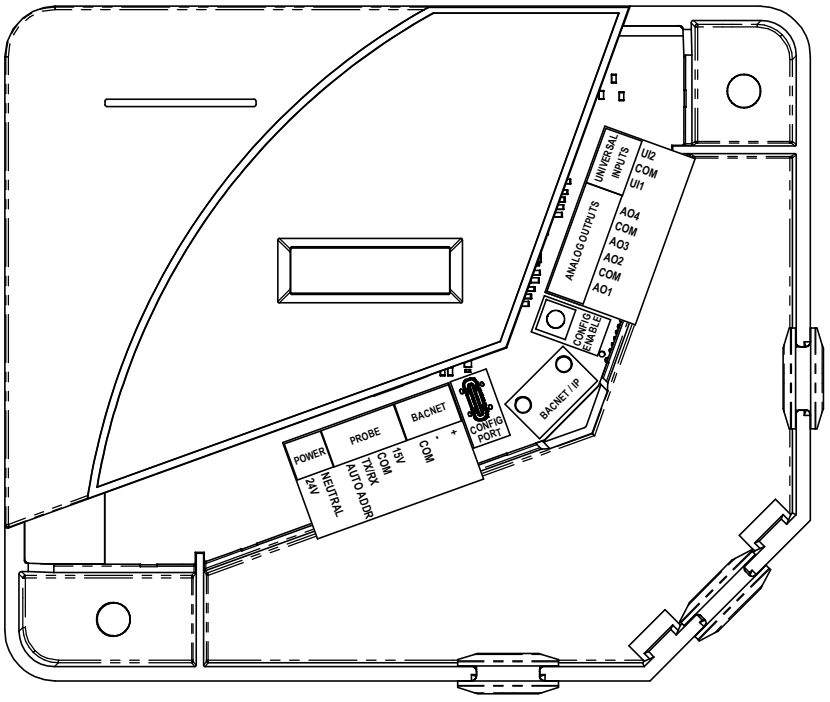
DIMENSIONS: inches [mm]



SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

POWER	24V	INPUT POWER, 24V AC/DC
	NEUTRAL	INPUT POWER, NEUTRAL
PROBE	15V	PROBE POWER, 15VDC
	COM	PROBE POWER, COM
	TX/RX	PROBE COMMUNICATION
	ADDR	PROBE AUTO-ADDRESS
BACNET	COM	BACNET COM
	-	BACNET -
	+	BACNET +
INPUTS	UI1	UNIVERSAL INPUT 1
	COM	INPUT COM
	UI2	UNIVERSAL INPUT 2
OUTPUTS	AO1	ANALOG OUTPUT 1
	COM	OUTPUT COM
	AO2	ANALOG OUTPUT 2
	AO3	ANALOG OUTPUT 3
	COM	OUTPUT COM
	AO4	ANALOG OUTPUT 4

TERMINATION:



NOTE: SHOWN WITH LCD DISPLAY OPTION

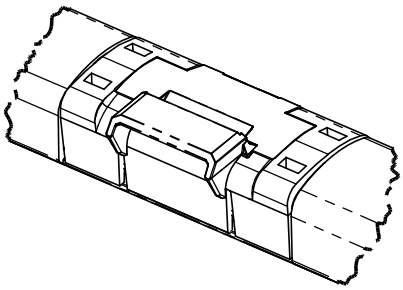
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

SCOUT

Stream - Airflow Measurement Platform

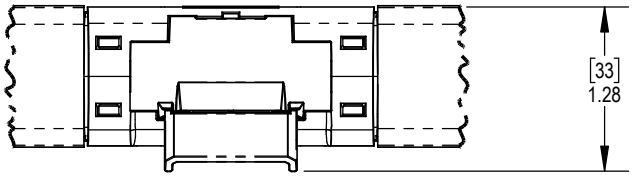
Product Submittal

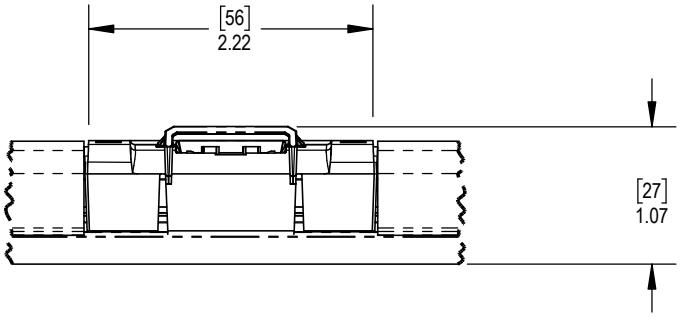
VELOCITY/TEMPERATURE SENSOR SPECIFICATIONS		
ENVIRONMENTAL	–40°C to 85°C (–40°F to 185°F), 0% to 100% R.H.[1]	
INPUT POWER	SUPPLIED BY TRANSMITTER	
SENSOR	TYPE	THERMAL DISPERSION
	THERMISTOR	GLASS ENCAPSULATED, HERMETICALLY SEALED.
	VELOCITY	0-5000 FPM, 2% OF READING
	TEMPERATURE	± 0.2°C (0.36°F), ACROSS OPERATING RANGE
	HOUSING	PP 10% GLASS
STANDARDS	CE Certified to ULC S142 Conforms to UL Std. 2043 FCC/IC	



1 Operating the sensor within condensing humidity will limit its ability to provide accurate measurements.

DIMENSIONS: inches [mm]





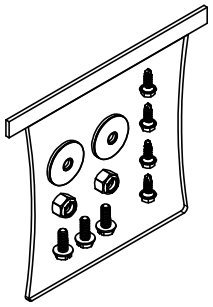
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

SCOUT

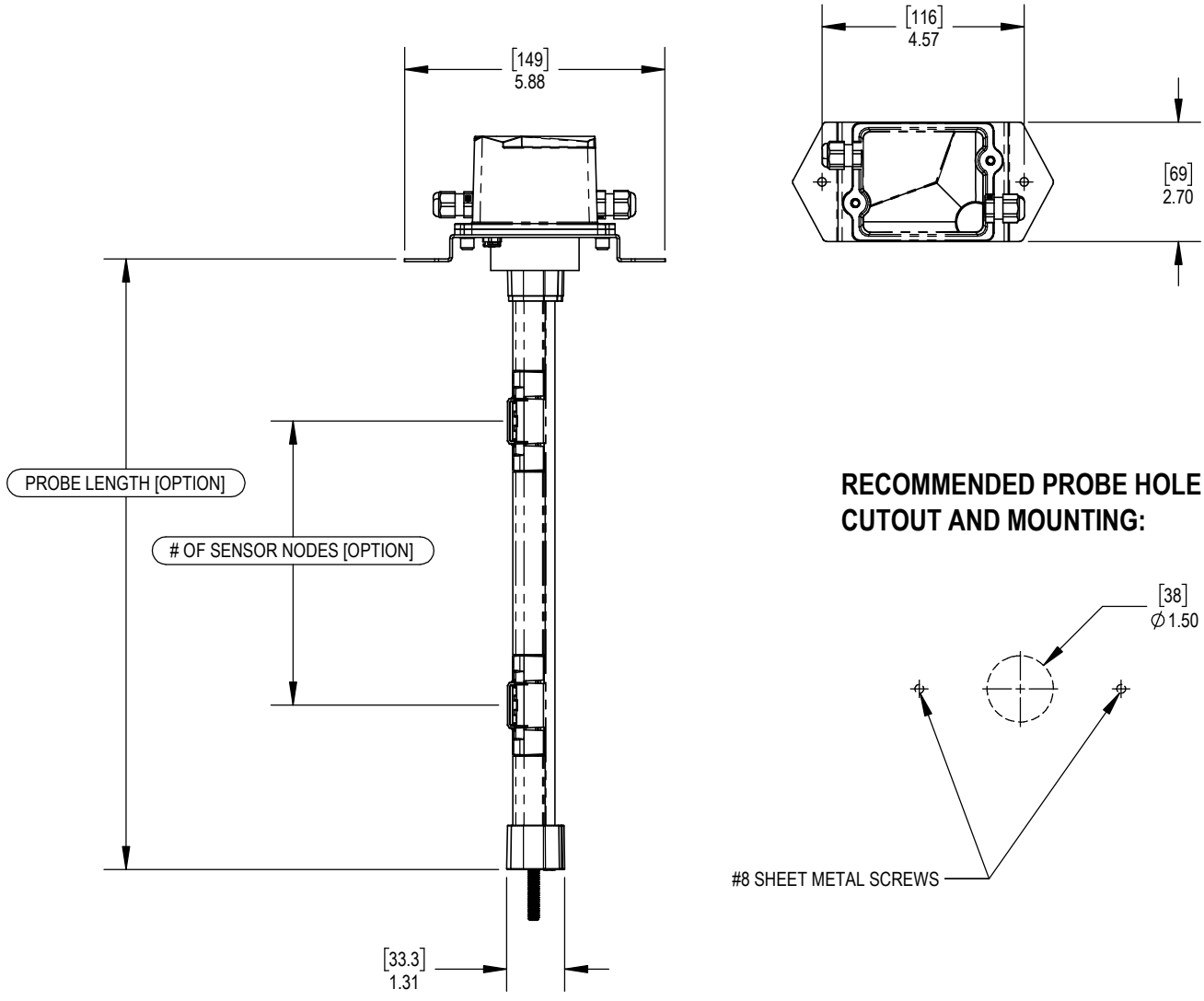
Stream - Airflow Measurement Platform

Product Submittal

PROBE SPECIFICATIONS	
ENVIRONMENTAL (OPERATING)	−40°C to 85°C (−40°F to 185°F), 0% to 100% R.H.
PROBE BODY	ANODIZED (TYPE II) 6063-T6 ALUMINUM
PROBE END CAP	PP 10% GLASS
PROBE COVER	PP 10% GLASS
CABLE GLANDS	UL94 V-2 NYLON 6
PROBE GASKET	NBR PVC, CLOSED-CELL
MOUNTING HARDWARE (INCLUDED)	18-8SS NYLOCK LOCKNUT, 1/4IN-20
	18-8SS NEOPRENE SEALING WASHER
	18-8SS #8 SHEET METAL SCREWS
CERTIFICATIONS & CONFORMANCE	Cert. to ULC S142 Conforms to UL Std. 2043



DIMENSIONS: inches [mm]



RECOMMENDED PROBE HOLE CUTOUT AND MOUNTING:

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

SCOUT

Stream - Airflow Measurement Platform

Product Submittal

STREAM-1-1 - ____ - ____ - ____ - ____ - ____

Model Name
STREAM-1-1

Transmitter
DNW = With LCD display, wireless turned off
DBT = With LCD display, with Bluetooth
NW =No display, wireless turned off
BT = No display, with Bluetooth

Probe Housing & Finish
AA = Anodized aluminum

Probe Length [Inside Duct Probe Length*]
*Note: This length should be selected as the inner duct dimension that the probe will be installed into.
8 = 8" probe length
- Up to -
120 = 120" probe length

Duct Mounting Configuration
ES = External rectangular or square duct

# of Probes
1 = One probe
- up to -
4 = Four probes

# of Velocity Sensors per Probe
1 = One sensor per probe

BACNET POINTS LIST					
Object	**Name**	**Units**	**Range**	**Description**	**Write Setting**
ANALOG INPUTS					
AI1	[Transmitter name] AI1 – [AI1 Device name]	Dynamic	Dynamic	Analog input with multiple uses See the *Installation, Operation, and Maintenance Manual* for options	R
AI2	[Transmitter name] AI2 – [AI2 Device name]	Dynamic	Dynamic	Analog input with multiple uses See the *Installation, Operation, and Maintenance Manual* for options	R
ANALOG OUTPUTS					
AO1	[Transmitter name] AO1 – [AO1 Device name]	Dynamic	Dynamic	Analog output with multiple uses See the *Installation, Operation, and Maintenance Manual* for options	R/W
AO2	[Transmitter name] AO2 – [AO2 Device name]	Dynamic	Dynamic	Analog output with multiple uses See the *Installation, Operation, and Maintenance Manual* for options	R/W
AO3	[Transmitter name] AO3 – [AO3 Device name]	Dynamic	Dynamic	Analog output with multiple uses See the *Installation, Operation, and Maintenance Manual* for options	R/W
AO4	[Transmitter name] AO4 – [AO4 Device name]	Dynamic	Dynamic	Analog output with multiple uses See the *Installation, Operation, and Maintenance Manual* for options	R/W
ANALOG VALUES					
AV01	[Transmitter name] Average flow velocity	Fpm; m/s	0 – 5000 fpm 0 – 25 m/s	Average flow rate	R
AV02	[Transmitter name] Average flow volume	CFM; l/s	0 – 500000 CFM 0 – 240000 L/s	Average volumetric flow rate	R
AV03	[Transmitter name] Average duct temperature	°F; °C	−40°F to 185°F −40°C to 85°C	Average duct temperature	R
Note : Analog value for AVx0yz, will display as: x = probe number, y = sensor node position					
AVx0y1	[Transmitter name] Velocity – [Sensor name]	Fpm; m/s	0 – 5000 fpm 0 – 25 m/s	Sensor velocity reading	R
AVx0y2	[Transmitter name] Temperature – [Sensor name]	°F; °C	−40°F to 185°F −40°C to 85°C	Sensor temperature reading	R

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

DEFAULT CHANGE OF VALUE (COV) INCREMENTS				
VARIABLE	**DEFAULT COV INCREMENT**	**UNITS**	**DEFAULT COV INCREMENT**	**UNITS**
-	**IMPERIAL**		**METRIC**	
Velocity	10	fpm	0.05	m/s
Airflow	100	CFM	50	L/s
Temperature	1	^{o}F	1	^{o}C