

AirFlo™ CFAF

COMPACT AIR FLOW METER DATA SHEET



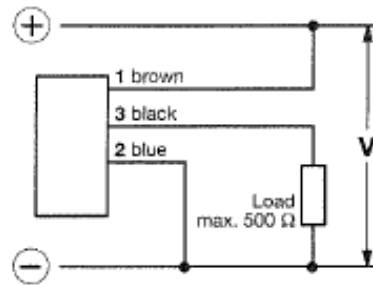
DESCRIPTION

This industrial purpose flow meter is a great choice for monitoring a diverse range of air or gaseous applications. AirFlo is encapsulated in epoxy resin and operates with NO moving parts. AirFlo provides a wide measurement range up to 164 fps and is available in five different units to ensure the best signal resolution. Typical applications include air conditioning, dust collection systems, ventilation monitoring, and energy conservation systems.

FEATURES & BENEFITS

- Compact air flow meter with rugged Stainless Steel construction or plastic Ultradur
- High accuracy with NO moving parts
- Provides 4-20 mA measurement
- Continually adjustable measurement range
- Sensor for all measurement and control applications
- Easy to install

CONNECTION DIAGRAM



SPECIFICATIONS



Service	Compatible Gasses
Measuring Range	CFAF-_-01: 0 to 32 fps (10 mps) CFAF-_-02: 0 to 65 fps (20 mps) CFAF-_-03: 0 to 98 fps (30 mps) CFAF-_-04: 0 to 131 fps (40 mps) CFAF-_-05: 0 to 164 fps (50 mps)
Adjustment Characteristic	Logarithmic to Flow Speed
Pressure	CFAF-U: 15 psi (1 bar) CFAF-S: 150 psi (10 bar)
Accuracy	< 3%
Repeatability	<1%
Temperature Drift	< 0.3% / K
Supply Voltage	24 VDC ± 30%
Consumptions	1.3W max.
Output	4-20 mA
Resistive Load	0-500 Ohm

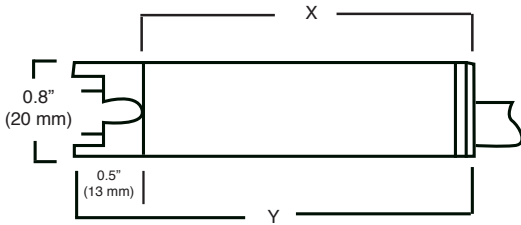
Measurement Range Adjustment	The measurement range of the air flow meter is adjustable with a small screwdriver (included) turning a potentiometer. A green LED signalizes operation within the adjustable measurement range. If flow exceeds the measurement range LED turns off.
Process Temperature	F: -4° to 160° C: -20° to 70°
Ambient Temperature	F: -40° to 160° C: -20° to 70°
Enclosure Rating	NEMA 4 (IP64)
Housing Material	Ultradur (PBTP) or Stainless Steel
Sensor Material	Ceramic with Over Glaze
Weight	CFAF-U: 0.3 lbs (130 g) CFAF-S: 0.4 lbs (200 g) without nut
Cable	
Cable Jacket Material	Oilflex
Cable Length	6.5' (2m)

Note: Please Consult Factory for Special Requirements

DIMENSIONS

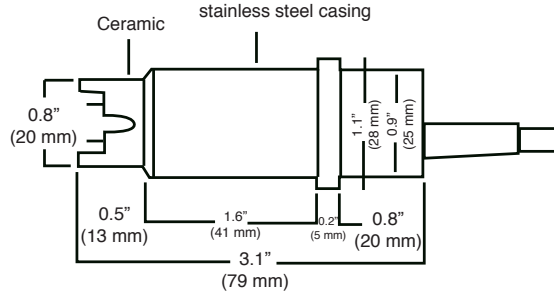
Housing	X	Y
Short	2.6" (65 mm)	3.1" (79 mm)
Long	3" (75 mm)	3.5" (89 mm)

CFNF-U_: Ultradur (PBTP) Housing



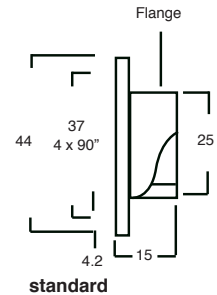
Weight: 130 grams
(0.3 lbs)

CFNF-S_: Stainless Steel Housing (installation with union nut)



Weight: 200 grams (0.41 lbs) w/o union nut
Union Nut: 127.3 grams (0.3 lbs)

Mounting Flange



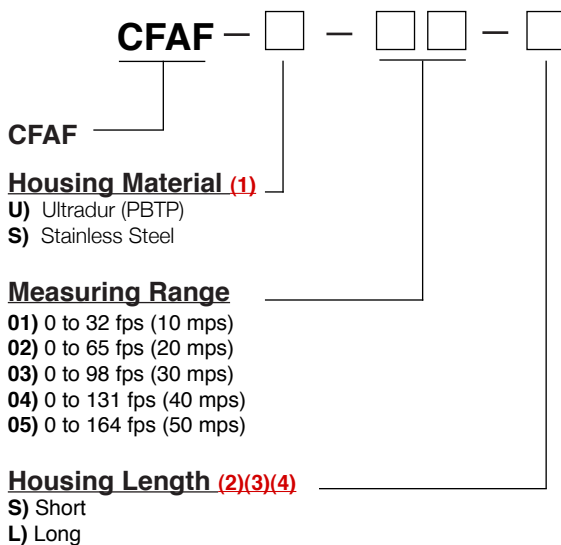
Ordering Information

FLO-CORP MODEL NUMBER BUILDER

For Assistance Call **877.356.5463**

Use the diagram below, working from left to right to construct your FLO-CORP Model Number. Simply match the category number to the corresponding box number.

Example: CFAF-U-02-S CalFlo AirFlo flow meter with ultradur housing, 0 to 65 fps measuring range, short housing length



Ordering Notes:

- (1) Select the best configuration based on your requirements.
- (2) Select the short housing for use with pipe sizes 1/2" to 1" in diameter and the long housing for 2" and up.
- (3) For additional mounting options, please contact factory
- (4) Comes complete with 6.5' (2m) pre-wired cable and manual