

SIGHT FLOW INDICATORS/TRANSMITTERS

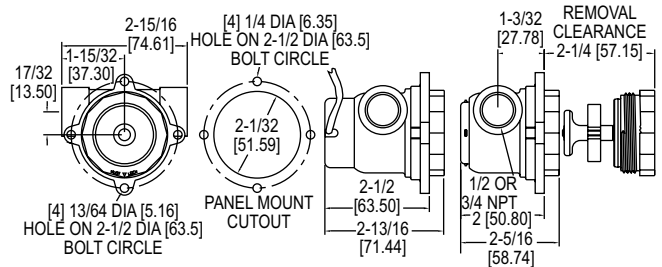
Low Cost, Optional Output for Flow Rate and Totalization
UV Stabilized Polycarbonate Model



SFI-801

SFI-800

SFI with A-711 option



SFI with A-711 option

SFI model only

The Series SFI-800 Sight Flow Indicators/Transmitters are low cost, durable rotor style flow indicators with optional Hall Effect magnetic output packages to combine visual confirmation of flow with optional remote flow monitoring. There are three output sensors available, the A-711 offering two pulsed voltage signals proportional to flow rate, the A-712 which outputs a linear 1-10 VDC signal proportional to flow rate, and the A-713 which offers two programmable open collector switch outputs.

The Model A-711 is a unique and patent pending sensor that outputs two pulsed voltage signals with one providing a 5 VDC pulse and the other a pulse of the input supply voltage used, ranging from 8-18 VDC.

The Model A-712 is a sensor that outputs a linear 1-10 VDC signal proportional to flow rate.

The Model A-713 is a sensor with two programmable open collector switch outputs with one output closed above the set point and the other output closed below the set point ideal for low flow or high flow indication.

BENEFITS/FEATURES

- Constructed of clear plastic enabling 360° viewing of the rotor for easy flow indication
- SFI-800 models are constructed of Polysulfone with excellent chemical compatibility, high pressure and temperature ratings, and all wetted materials are FDA/NSF ratable for potable water applications
- SFI-801 models are constructed of UV stabilized Polycarbonate making them ideal for outdoor applications and easy view bright red impeller
- All three output packages can be installed or replaced in the field without any tools and without removing the body from the process line
- Units are weather-tight for outdoor or wash-down area use
- A-713 features a user-friendly set point button which is set at the desired flow rate with red LED indication of switch status

APPLICATIONS

- Cooling and lubrication circuits
- HVAC systems
- Aggressive chemical metering
- Batching systems

MODEL CHART - BODY ONLY

Polysulfone Body Model	Description	Range GPM (LPM)	Connection Female NPT
SFI-800-1/2	Indicator only	2 to 20 (7.6 to 75.5)	1/2"
SFI-800-3/4	Indicator only	3 to 35 (11.4 to 132.5)	3/4"
SFI-800-1/2-LF	Indicator only	0.5 to 6.5 (1.9 to 24.6)	1/2"
Polycarbonate Body Model	Description	Range GPM (LPM)	Connection Female NPT
SFI-801-1/2	Indicator only	2 to 20 (7.6 to 75.5)	1/2"
SFI-801-3/4	Indicator only	3 to 35 (11.4 to 132.5)	3/4"
SFI-801-1/2-LF	Indicator only	0.5 to 6.5 (1.9 to 24.6)	1/2"

SPECIFICATIONS

Service: Compatible fluids.
Wetted Materials: Body: SFI-800: Polysulfone; SFI-801: UV stabilized polycarbonate; Window: SFI-800: Polysulfone; SFI-801: UV stabilized polycarbonate; Rotor: SFI-800: White polysulfone; SFI-801: Red UV stabilized PBT; Rotor Pin: 316 SS; Thrust washers: 300 Series SS; O-ring: SFI-800: Fluoroelastomer (NSF grade); SFI-801: Buna-N.
Temperature Limits: SFI-800: -20 to 212°F (-29 to 100°C); SFI-801: -20 to 130°F (-29 to 55°C).
Pressure Limits: SFI-800: 150 psi (10.34 bar); SFI-801: 125 psi (8.62 bar).
Viscosity Max: 200 SSU.
Weight: SFI-800: 3.35 oz (95 g); SFI-800-A711: 5.0 oz (142 g).

ELECTRICAL SPECIFICATIONS (for A-711 Option only)
Temperature Limits: -20 to 212°F (-29 to 100°C).
Power Requirements: 8-28 VDC.
Output Signal: White lead: 5 VDC; Green lead: 8-28 VDC equal to supply voltage. Pulsed output with frequency rate proportional to flow rate.
Accuracy: ±5% FS.
Frequency Output Range: 0 to 100 Hz.
Electrical Connections: Black lead - ground; White lead: 5 VDC out pulse; Green lead: 8-28 VDC out pulse; Red lead: 8-28 VDC supply.

ELECTRICAL SPECIFICATIONS (for A-712 option only)
Temperature Limits: -20 to 212°F (-29 to 100°C).
Power Requirements: 15-28 VDC.
Output Signal: White lead: 1-10 VDC.
Accuracy: ±5% FS.
Electrical Termination: Black lead: Ground; Red lead: 15-28 VDC input; White lead: 1-10 VDC output.

ELECTRICAL SPECIFICATIONS (for A-713 option only)
Temperature Limits: -20 to 212°F (-29 to 100°C).
Power Requirements: 8-28 VDC.
Output Signal: White lead: Normally open switch; Green lead: Normally closed switch. Both open collector, 100 mA max, 28 VDC max.
Electrical Connections: Black lead: Ground; White lead: Normally open; Green lead: Normally closed; Red lead: 8-28 VDC.

MODEL CHART - SENSOR ONLY

Model	Description
A-711	Pulsed output
A-712	1-10 VDC
A-713	Two open collectors

Note: Sensor only, not attached to the flow indicator body.

OPTIONS - BODY AND SENSORS ATTACHED

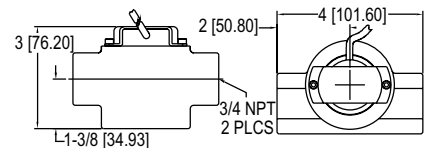
To order add suffix:	Description
-A711	A-711 attached to flow indicator body
-A712	A-712 attached to flow indicator body
-A713	A-713 attached to flow indicator body

Example: SFI-800-1/2-A711

SERIES SFI-100T

SIGHT FLOW INDICATOR/TRANSMITTER

Output for Flow Rate and Totalization



The Series SFI-100T Sight Flow Indicator/Transmitter is a low cost and durable flow transmitter that combines our popular 100 Series Sight Flow Indicator with our A-711T output sensor for visual and remote monitoring of flow. The A-711T output sensor has two pulsed voltage signals with one providing a 5 VDC pulse, the other a pulse of the input supply voltage used, ranging from 8-28 VDC and a pulsed output with a frequency change proportional to the flow rate.

BENEFITS/FEATURES

- Constructed of a robust, solid brass body and a tempered glass window
- Bright red impeller yields great visual indication of flow through the window
- Front window can be easily unscrewed to clean out the sight flow indicator
- Ideal for outdoor applications with weatherproof body that is unaffected by UV light

APPLICATIONS

- Cooling and lubrication circuits
- HVAC systems
- Monitoring chilled or hot water flow
- Monitoring water flow in chillers

MODEL CHART

Model	Description	Range GPM (LPM)	Connection Female NPT
SFI-100T-1/2-A711T	Brass indicator with A-711T sensor	2 to 20 (7.6 to 75.5)	1/2"
SFI-100T-3/4-A711T	Brass indicator with A-711T sensor	3 to 35 (11.4 to 132.5)	3/4"
A-711T	Output sensor package	-	-

SPECIFICATIONS

Service: Compatible fluids.
Wetted Materials: Body: Brass; Window: Tempered glass; Rotor: Red UV stabilized PBT; Rotor pin: 316 SS; Thrust washers: 300 series SS; Gasket: Buna-N.
Temperature Limits: -20 to 200°F (-29 to 93°C).
Pressure Limits: 125 psi (8.62 bar).
Viscosity Max: 200 SSU.
Weight: SFI only: 1.5 lb (0.7 kg); with A-711T: 1.8 lb (0.8 kg).

ELECTRICAL SPECIFICATIONS
Temperature Limits: -20 to 212°F (-29 to 100°C).
Power Requirements: 8-28 VDC.
Output Signal: White lead: 5 VDC. Green lead: 8-28 VDC equal to supply voltage. Pulsed output with frequency rate proportional to flow rate.
Accuracy: ±5% FS.
Frequency Output Range: 0 to 100 Hz.
Mounting Orientation: Horizontal.
Electrical Connections: Black lead: Ground; White lead: 5 VDC out pulse; Green lead: 8-28 VDC out pulse; Red lead: 8-28 VDC supply.

USA: California Proposition 65

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.