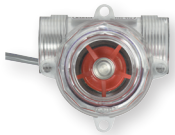
Dwyer

SERIES SFI-800 | W. E. ANDERSON® BY DWYER

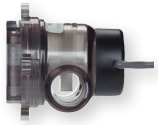
SIGHT FLOW INDICATORS/TRANSMITTERS

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

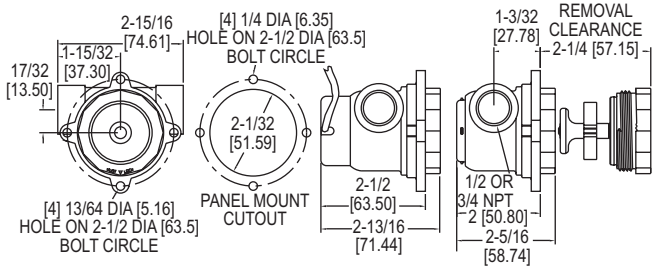


SFI-801

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.

FEATURES/BENEFITS

- 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 cam 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 - SENSOR ONLY	
Model	**Description**
A-711	Pulsed output
A-712	1-10 VDC
A-713	Two open collectors
*Sensor only, not attached to the flow indicator body.	

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.

OPTIONS - BODY AND SENSORS ATTACHED	
To order add suffix:	**Description**
-A711	A-711 attached to flow indicator body
Example: SFI-800-1/2-A711	
-A712	A-712 attached to flow indicator body
Example: SFI-800-1/2-A712	
-A713	A-713 attached to flow indicator body
Example: SFI-800-1/2-A713	