**SERIES SF** SIGHT FLOW TRANSMITTER

±2% FS Accuracy, 4 to 20 mA Output, Pressure up to 500 psig (34 bar)

The **SERIES SF** SIGHT FLOW TRANSMITTER is a Series of sight indicators which can display flow or contents of pipelines and provide an analog 4 to 20 mA signal proportional to the flow rate. It is available with a 316 SS or clear polycarbonate cover.

**FEATURES/BENEFITS**
- Integrates tangential turbine technology with hermetically sealed circuitry to provide accurate flow measurement and control in the harshest environments.
- 2-wire loop-powered design transmits a 4 to 20 mA signal proportional to flow rate for remote flow monitoring.
- Clear polycarbonate viewing cover option for visible indication of flow.
- 316 SS cover offers added protection with pressure limit up to 500 psig (34 bar).
- LED power indication, adjustable zero and span, polarity protection and over current limiting.
- Accurately measures flow in both directions and can be mounted in any orientation.

**APPLICATIONS**
- Cooling and lubrication circuits.
- HVAC systems.
- Aggressive chemical metering.
- Batching systems.

**OPTIONS**

<table>
<thead>
<tr>
<th>Use order code</th>
<th>Description</th>
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<tbody>
<tr>
<td>NISTCAL-FT1</td>
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**SERIES SF2**

SIGHT FLOW METERS

SPDT or Pulse Output, Visual Flow Confirmation, Brass Body

The **SERIES SF2** SIGHT FLOW TRANSMITTERS combine visual confirmation of flow with a relay or pulse output. The SF2-1 offers a SPDT relay output and the SF2-2 offers a pulse output proportional to the rate of flow. The 4.5 to 24 VDC SF2 output is compatible with most digital logic families.

**FEATURES/BENEFITS**
- Brass, solid body construction, one piece composite rotor, and ceramic shaft delivers durability with broader chemical, temperature, and pressure capabilities.
- Set points are fully adjustable over the specified flow range.
- The dynamic operation of the rotor guards against jamming and false actuation.

**APPLICATIONS**
- Cooling and lubrication circuits.
- HVAC systems.
- Aggressive chemical metering.
- Batching systems.

**SPECIFICATIONS**

**Power Requirements:**
Output: SPDT: 1 Amp, 24 VDC resistive; 0.3 Amp, 110 VAC or 4.5 VDC to 24 VDC pulse depending on model.
Electrical Connections: Relay output models: 20AWG PVC-jacketed, 24" cable; Pulsed output models: 22AWG PVC-jacketed, 24" cable.
Set Point Differential: 15% max for relay output models.
Maximum Viscosity: 200 SSU.
Agency Approvals: CE.

**MODELS**

- **SF10** 316 SS
- **SF11** Clear polycarbonate

**DIMENSIONS in [mm]**

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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<td>4-1/2</td>
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**SIDE VIEW VAC SWITH MODELS**

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**SIDE VIEW VDC SWITCH AND TRANSMITTER MODELS**

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**MODEL CHART**

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**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov