



## Signet Rotor-X Flow Sensor

- Simple installation
- Minimal maintenance
- Rugged construction
- No pressure drop
- Variety of material options
- Reliable operation/performance



Constructing a flow monitoring or controlling system is simple with the SIGNET 515 Rotor-X flow Sensor. Combine the 515 with a SIGNET installation fitting and a flow meter or controller, and have an operational flow monitoring system in minutes. Available in a choice of chemically resistant housing materials, the 515 stands up to many industrial processes. For processes containing pure water or acids and solvents, the PVDF version combined with a PVDF SIGNET fitting, provides protection from possible fluid product contamination.

### Specifications

<b>Output Signal</b>	1V p-p per ft/s nominal
<b>Output Frequency</b>	6 Hz per ft/s nominal
<b>Operating Range</b>	1 to 20 ft/s
<b>Pressure/Temperature</b>	
PP sensor body	180 psi @ 68°F, 25 psi @ 185°F
PVDF sensor body	200 psi @ 68°F, 25 psi @ 185°F
<b>Power Requirements</b>	None
<b>Pipe Size Range</b>	0.5 to 36 in.
<b>Repeatability</b>	±0.5% of full scale
<b>Linearity</b>	1% of full range
<b>Materials</b>	Refer to ordering info. for material options available
O-rings	Viton®
Cable Type	Twister pair, foil shield with drain wire
Cable Length	25 ft. (200 ft. max.)
<b>Quality Standards</b>	CE, FM (Class I, II, III/Div. 1/Groups A-G)

### Ordering Information

ITEM	HOUSING MATERIAL	SHAFT MATERIAL	ROTOR	PIPE SIZE (in.)
P51530-P0	Polypropylene	Titanium	Black PVDF	0.5 to 4
P51530-P1	Polypropylene	Titanium	Black PVDF	5 to 8
P51530-P2	Polypropylene	Titanium	Black PVDF	10-up
P51530-V0	Natural PVDF	Hastelloy C	Natural PVDF	0.5 to 4
P51530-V1	Natural PVDF	Hastelloy C	Natural PVDF	5 to 8
P51530-T0	Natural PVDF	Natural PVDF	Natural PVDF	0.5 to 4
P51530-T1	Natural PVDF	Natural PVDF	Natural PVDF	5 to 8
P51530-H0	Polypropylene	Hastelloy C	Black PVDF	0.5 to 4
P51530-S0	Polypropylene	Natural PVDF	Black PVDF	0.5 to 4

#### Integral Sensor (use with 8512 Transmitter and integral mounting kit)

3-8510-P0	Polypropylene	Titanium	Black PVDF	0.5 to 4
3-8510-P1	Polypropylene	Titanium	Black PVDF	5 to 8
3-8510-V0	Natural PVDF	Hastelloy C	Natural PVDF	0.5 to 4
3-8510-T0	Natural PVDF	Natural PVDF	Natural PVDF	0.5 to 4

