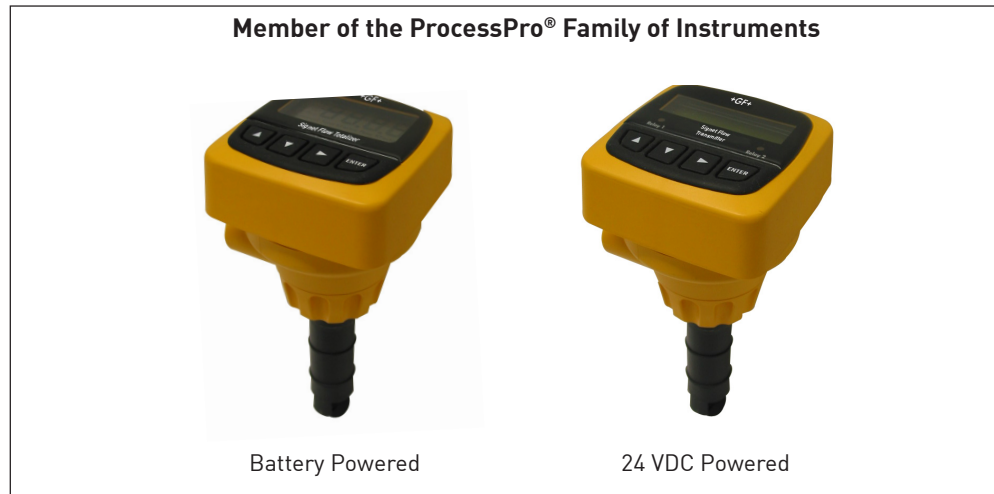


Flow Integral Systems with ProcessPro® Instruments



Features

- Battery or 24 VDC Powered
- Local display for sensor mounted instruments
- Provides 4 to 20 mA output
- Relay options available
- NEMA 4X/IP65

Description

Signet has combined ProcessPro® instruments with Models 515 and 2536 paddlewheel flow sensors to create integral systems that are easy to order and simple to install. Also available in conductivity, level, temperature, and pressure configurations, each integral system features a local and easy to read LCD display. The push button keypad makes it easy to navigate through the instrument's menu for performing calibrations and setting outputs and relays. The 24 VDC powered Model 8550 flow instruments offer a scalable 4 to 20 mA output and optional relays for process control.

Battery powered Model 8150 instruments are also available for use in locations where line power is unavailable.

The integral systems are combined with Signet's field-proven Models 515 and 2536. These sensors reliably perform in flow ranges from 0.1 to 6 m/s (0.3 to 20 ft/s) for pipe sizes from ½ to 36 inches. They are available in a variety of materials including polypropylene and PVDF and are easily mounted in the pipe using Signet's comprehensive line of standard fittings.

Applications

- RO/DI System Control
- Cooling Tower Control
- Environmental Monitoring
- Water Quality Monitoring
- Filtration Systems
- Chemical Production
- Liquid Delivery Systems
- Pump Protection
- Scrubber Systems
- Semiconductor Water Production
- Chemical Concentration Monitoring

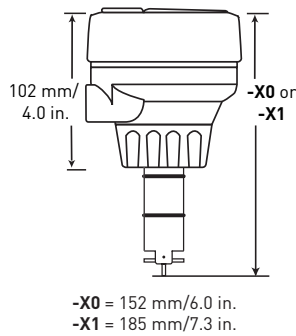
System Overview

	Battery powered Flow	Flow
Integral Mount Signet Instrument	 8150	 8550
Signet Integral Adapter Kit	 8051	 8051
Signet Sensors and Electrodes	 515	 515 or 2536
Signet Fittings (sold separately)		

Refer to Models 515, 2536, 8150, or 8550 technical specifications for more details on these products.



Dimensions



Integral Instruments Ordering Notes:

- 1) Model 8150 is available with all parts conveniently assembled.
- 2) Model 8550 systems are broken down in three parts: instrument, sensor, and mounting kit. Order systems by selecting the Part Number/Code.
- 3) See individual instrument and sensor pages for more information.

Please refer to
**Wiring, Installation,
Fittings and
Accessories sections
for more information.**

Specifications

See individual instrument and sensor catalog pages for more information.

Ordering Information

Flow Instrument, Battery Operated	
3-8150	Battery Operated Flow Totalizer
	Model 515 integral paddlewheel sensor with pipe size, body material, rotor/pin material listed - Choose one
-P0	0.5 to 4 in. polypropylene/Black PVDF/Titanium
-P1	5 to 8 in. polypropylene/Black PVDF/Titanium
-T0	0.5 to 4 in. natural PVDF/natural PVDF/natural PVDF
-V0	0.5 to 4 in. natural PVDF/natural PVDF/Hastelloy
3-8150 - P0	Example Part Number

Mfr. Part No.	Code	Mfr. Part No.	Code
3-8150-P0	159 000 931	3-8150-T0	159 001 011
3-8150-P1	159 000 932	3-8150-V0	159 001 012

Flow Instrument, Line Powered - Choose one			
3-8550-1	Flow Instrument, 4 to 20 mA and open collector for hi, low, pulse, or frequency output		
3-8550-2	Flow Instrument 4 to 20 mA and 2 relays for hi, low, pulse, or frequency output		
	Paddlewheel Flow Sensors with pipe size, body material, and rotor/pin material listed - Choose one from the Models 515 or 2536 listed		
	Model 515 Integral Paddlewheel Sensors - Choose one		
3-8510-P0	0.5 to 4 in., Polypropylene, Black PVDF/Titanium		
3-8510-P1	5 to 8 in., Polypropylene, Black PVDF/Titanium		
3-8510-T0	0.5 to 4 in. Natural PVDF, Natural PVDF/Natural PVDF		
3-8510-V0	0.5 to 4 in., Natural PVDF, Natural PVDF/Hastelloy C		
	Model 2536 Integral Paddlewheel Sensors - Choose one		
3-8512-P0	0.5 to 4 in., Polypropylene, Black PVDF/Titanium		
3-8512-P1	5 to 8 in., Polypropylene, Black PVDF/Titanium		
3-8512-T0	0.5 to 4 in. Natural PVDF, Natural PVDF/Natural PVDF		
3-8512-V0	0.5 to 4 in., Natural PVDF, Natural PVDF/Hastelloy C		
	Mounting Kit-Mounts the instrument to the sensor		
3-8051	Integral Mounting Kit		
3-8550-1	3-8510-P0	3-8051	Example of three part numbers required to assemble integral unit if parts purchased separately

Code	Components*	Code	Components*
198 864 800	3-8550-1 + 3-8510-P0	198 864 830	3-8550-1 + 3-8510-P0
198 864 801	3-8550-1 + 3-8510-HO	198 864 831	3-8550-1 + 3-8510-HO
198 864 802	3-8550-1 + 3-8510-SO	198 864 832	3-8550-1 + 3-8510-SO
198 864 803	3-8550-1 + 3-8510-V0	198 864 833	3-8550-1 + 3-8510-V0
198 864 804	3-8550-1 + 3-8510-T0	198 864 834	3-8550-1 + 3-8510-T0
198 864 805	3-8550-2 + 3-8510-P1	198 864 835	3-8550-1 + 3-8510-P1
198 864 810	3-8550-2 + 3-8510-P0	198 864 840	3-8550-1 + 3-8510-P0
198 864 811	3-8550-2 + 3-8510-HO	198 864 841	3-8550-2 + 3-8510-HO
198 864 812	3-8550-2 + 3-8510-SO	198 864 842	3-8550-2 + 3-8510-SO
198 864 813	3-8550-2 + 3-8510-V0	198 864 843	3-8550-2 + 3-8510-V0
198 864 814	3-8550-2 + 3-8510-T0	198 864 844	3-8550-2 + 3-8510-T0
198 864 815	3-8550-2 + 3-8510-P1	198 864 845	3-8550-2 + 3-8510-P1

*8051 Integral Mount Kit Included

