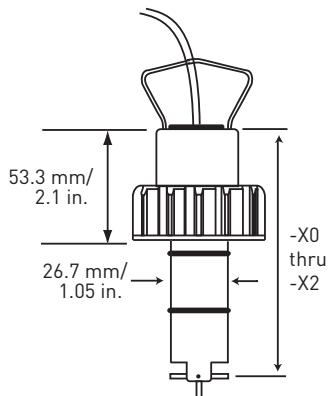


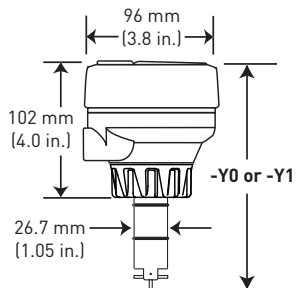
## Dimensions

### 515 Standard Mount Sensor



Pipe Range  
 ½ to 4 in.: -X0 = 104 mm (4.1 in.)  
 5 to 8 in.: -X1 = 137 mm (5.4 in.)  
 10 in. and up: -X2 = 213 mm (8.4 in.)

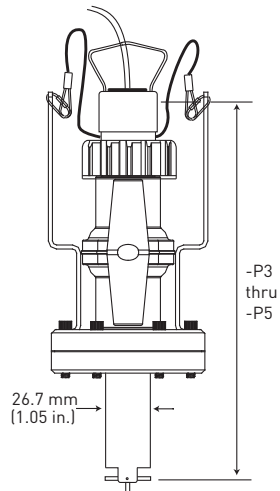
### 515 Integral Mount Sensor shown with Transmitter (sold separately)



Pipe Range  
 0.5 to 4 in. -Y0 = 152mm (6.0 in.)  
 5 to 8 in. -Y1 = 185mm (7.3 in.)

### 515 Wet-Tap Mount Sensor with 3519 Wet-Tap Valve

See more information on the 3519 Wet-Tap Valve, refer to the 3519 product page.



Pipe Range  
 ½ to 4 in. -P3 = 297 mm (11.7 in.)  
 5 to 8 in. -P4 = 333 mm (13.1 in.)  
 10 in. and up -P5 = 409 mm (16.1 in.)

## Specifications

### General

Operating Range:  
 0.3 to 6 m/s (1 to 20 ft/s)  
 Pipe Size Range:  
 DN15 to DN900 (½ to 36 in.)  
 Linearity:  
 ±1% of max. range @ 25 °C (77 °F)  
 Repeatability:  
 ±0.5% of max. range @ 25 °C (77 °F)  
 Min. Reynolds Number Required: 4500

### Wetted Materials

- Sensor Body:  
 Glass-filled PP (black) or PVDF (natural)
- O-rings:  
 FPM (std)  
 optional EPR (EPDM) or FFPM
- Rotor Pin:  
 Titanium, Hastelloy-C or PVDF;  
 optional Ceramic, Tantalum, or Stainless Steel
- Rotor:  
 Black PVDF or Natural PVDF;  
 optional Tefzel®, with or without Fluoroloy G® sleeve

### Electrical

Frequency:  
 19.7 Hz per m/s nominal  
 (6 Hz per ft/s); sinusoidal  
 Amplitude:  
 3.3 V p/p per m/s nominal  
 (1 V p/p per ft/s)

Source Impedance: 8 KΩ

Cable Type:

2-conductor twisted pair with shield,  
 22 AWG

Cable Length:

7.6 m (25 ft) can be extended up to 60 m  
 (200 ft) maximum

### Max. Temperature/Pressure Rating Standard and Integral Sensor

- PP: 12.5 bar @ 20 °C,  
 1.7 bar @ 90 °C  
 (180 psi @ 68 °F, 25 psi @ 194 °F)
  - PVDF: 14 bar @ 20 °C,  
 1.4 bar @ 100 °C  
 (200 psi @ 68 °F, 20 psi @ 212 °F)
- Operating Temperature:  
 • PP: -18 °C to 90 °C (0 °F to 194 °F)  
 • PVDF: -18 °C to 100 °C (0 °F to 212 °F)

### Wet-Tap Sensor

- PP: 7 bar @ 20 °C, 1.4 bar @ 66 °C  
 (100 psi @ 68 °F, 20 psi @ 150 °F)
- Operating temperature:  
 -18 °C to 66 °C (0 °F to 150 °F)  
 Max. wet-tap sensor removal rating:  
 1.7 bar @ 22 °C (25 psi @ 72 °F)

See Temperature and Pressure Graphs for more information.

### Shipping Weight

P51530-X0	0.454 kg	1.00 lb
P51530-X1	0.476 kg	1.04 lb
P51530-X2	0.680 kg	1.50 lb
P51530-X3	0.794 kg	1.75 lb
P51530-X4	0.850 kg	1.87 lb
P51530-X5	1 kg	2.20 lb
3-8510-X0	0.23 kg	.50 lb
3-8510-X1	0.23 kg	.50 lb

### Standards and Approvals

- FM Class I, II, III/Div. 1/groups A-G
- RoHS compliant
- China RoHS
- Manufactured under ISO 9001 for Quality and ISO 14001 for Environmental Management

### Application Tips:

- Use the Conduit Adapter Kit to protect the cable-to-sensor connection when used in outdoor environments. See Accessories section for more information.
- Use a sleeved rotor in abrasive liquids to reduce wear.
- Sensor plug can be used to plug installation fitting after extraction of sensor from pipe.

- For liquids containing ferrous particles, use Signet Magmeters.
- For systems with components of more than one material, the maximum temperature/pressure specification must always be referenced to the component with the lowest rating.

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