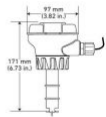
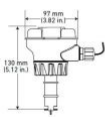


[Home](#) > [Georg Fischer](#) > [Signet](#) > [Instrumentation](#) > [Flow](#) > [Sensors](#) > 3-2537-1C-P0

## GF Signet 3-3-2537-1C-P0 Paddlewheel Flow Sensor

Item#: 0845629003946 | Model#: 3-2537-1C-P0 Series#: 2537

**Description:**

GF Signet 2537 Rotor-X Series 3-2537-1C-P0 Integral Mount Paddlewheel Flow Sensor

Price: **USD \$672<sup>00</sup>**[Buy Now](#)

### Technical Specification

#### 3-2537-1C-P0 Product Specific Data

**Sensor Output Type** Pulse divider/flow switch via dry contact relay**Material Options** Polypropylene Body**Pipe Size** DN15 to DN 100

#### General Data

**Operating Range** 0.1 m/s to 6 m/s - 0.3 ft/s to 20 ft/s**Linearity** ±1% of max. range @ 25 °C (77 °F)**Repeatability** ±0.5% of max. range @ 25 °C (77 °F)**System Response** 100 ms update rate nominal**Sensor Body** Glass-filled PP (black) or PVDF (natural)**O-rings** FPM (std) optional EPR (EPDM) or FFPM**Rotor Pin** Black PVDF or Natural PVDF; optional Tefzel®, with or w/o Fluoroloy G® sleeve for rotor pin**Multi With Dry-Contact Relay** 24 VDC nominal, ±10%, regulated, 30 mA max current**Multi With Solid-State Relay** 6 V to 24 VDC, ±10%, regulated, 30 mA max current**Multi Digital (S3 L)** 5.0 VDC min to 6.5 VDC max., 30 mA max current (1.5 mA nominal)**Multi 4 to 20 mA** 400 mV max ripple voltage, 30 mA max current**Multi Maximum Pulse Rate** 300 Hz**Multi Pulse Width** 50 ms**Multi Minimum Pulse Rate** 0.5 Hz**Multi** Compatible with PLC, PC or similar equipment**Multi** Compatible with customer supplied metering pump**Digital (S3 L) Version** 5 VDC nominal, regulated, 3 mA max current**Digital (S3 L) Version Type** Serial ASCII, TTL level 9600 bps**Digital (S3 L) Version Max. Cable Length** Refer to Signet 8900 wiring specifications.**Digital (S3 L) Version** Compatible with Model Signet 8900 controller**4 to 20 mA Version** 12 to 32 VDC nominal, ±10%, regulated, 21 mA max current**4 to 20 mA Version Loop Accuracy** ±32 ?A @ 25 °C @ 24 VDC)**4 to 20 mA Version Loop Resolution** 5 ?A**4 to 20 mA Version Temp. Drift** ±1?A per °C max.**4 to 20 mA Version Power Supply Rejection** ±1?A per V**4 to 20 mA Version Max. Cable** 305 m - 1000 ft

<b>4 to 20 mA Version Maximum Loop Resistance</b>	600 ? @ 24 VDC - 1 K? @ 32 VDC
<b>4 to 20 mA Version Load impedance</b>	375 ?
<b>Reverse Polarity and Short Circuit Protected</b>	Up to 40 V, 1 hour
<b>Overvoltage Protection</b>	40 VDC over 1 hour
<b>Relay Specifications Mechanical SPDT</b>	5 A @ 30 VDC, 5 A @ 250 VAC
<b>Relay Specifications Solid-State Relay</b>	100 mA @ 40 VDC, 70 mA @ 33 VAC
<b>Relay Specifications Relay Modes</b>	Low, High
<b>Relay Specifications Time Delay</b>	0.0 to 6400.0 seconds
<b>Relay Specifications Hysteresis</b>	Adjustable for exiting alarm condition
<b>Storage Temperature</b>	-10 °C to 75 °C - 14 °F to 167 °F
<b>Operating Temperature</b>	0 °C to 65 °C - 32 °F to 149 °F
<b>Relative Humidity</b>	0 to 90%, non-condensing
<b>Flow Sensor PP</b>	12.5 bar @ 20 °C - 181 psi @ 68 °F
<b>Flow Sensor PP</b>	1.7 bar @ 85 °C - 25 psi @ 185 °F
<b>Flow Sensor PVDF</b>	14 bar @ 20 °C 203 psi @ 68 °F
<b>Flow Sensor PVDF</b>	1.7 bar @ 85 °C 25 psi @ 185 °F
<b>Operating Temperature PP</b>	-18 °C to 85 °C - 0 °F to 185 °F
<b>Operating Temperature PVDF</b>	-18 °C to 85 °C - 0 °F to 185 °F
<b>Enclosure</b>	NEMA 4X/IP65
<b>Standards and Approvals</b>	CE, UL, CUL
<b>Standards and Approvals</b>	RoHS compliant, China RoHS
<b>Standards and Approvals</b>	Manufactured under ISO 9001 for Quality and ISO 14001 for Environmental Management
<b>Product Dimensions</b>	
<b>Weight</b>	1.41 lb
<b>Width</b>	180.00 mm, 7.09 in
<b>Height</b>	120.00 mm, 4.72 in
<b>Length</b>	270.00 mm, 10.63 in

## Technical Documents

Document Title	Download
Datasheet	<a href="#">Click Here</a> to Download
OPERATOR'S MANUAL	<a href="#">Click Here</a> to Download
SALES & ENGINEERING DATA	<a href="#">Click Here</a> to Download
Specification	<a href="#">Click Here</a> to Download

## Accessories

ID	Short Details	Price
<a href="#">1220-0021</a>	Replacement o-ring, (1) FPM	\$4.00
<a href="#">1224-0021</a>	Replacement o-ring, (1) EPDM	\$9.00
<a href="#">1228-0021</a>	Replacement o-ring, (1) FFPM	\$212.00
<a href="#">3-2536.320-1</a>	Replacement rotor, 2536 sensor, black PVDF	\$77.00
<a href="#">3-2536.320-3</a>	Replacement rotor, 2536 sensor, Tefzel	\$86.00
<a href="#">3-2536.321</a>	Replacement rotor kit, 2536 sensor, natural PVDF	\$98.00
<a href="#">3-2536.322-1</a>	Replacement rotor, 2536 sensor, sleeved black PVDF	\$104.00

<a href="#">3-2536.322-2</a>	Replacement rotor, 2536 sensor, sleeved natural PVDF	\$112.00
<a href="#">3-2536.322-3</a>	Replacement rotor, 2536 sensor, sleeved Tefzel	\$117.00
3-8050.390-1	Retaining nut replacement kit, NPT, Valox	
<a href="#">3-8050.390-3</a>	Retaining nut replacement kit, NPT, PP	\$34.00
<a href="#">3-8050.390-4</a>	Retaining nut replacement kit, NPT, PVDF	\$57.00
<a href="#">3-8050.396</a>	RC filter kit, (2) filters, for relay use	\$85.00
<a href="#">3-9000.392-1</a>	Liquid tight connector, (1) NPT connector	\$27.00
<a href="#">3-9000.392-2</a>	Liquid tight connector, (1) PG13.5 connector	\$27.00
<a href="#">7310-1024</a>	7310-XX24 7310 Switching Power Supplies	\$118.00
<a href="#">7310-2024</a>	7310-XX24 7310 Switching Power Supplies	\$158.00
7310-4024	7310-XX24 7310 Switching Power Supplies	
7310-6024	7310-XX24 7310 Switching Power Supplies	
<a href="#">7310-7024</a>	7310-XX24 7310 Switching Power Supplies	\$358.00
<a href="#">M1546-1</a>	Replacement pin, titanium	\$29.00
<a href="#">M1546-2</a>	Replacement pin, hastelloy-c	\$80.00
<a href="#">M1546-3</a>	Replacement pin, tantalum	\$160.00
<a href="#">M1546-4</a>	Replacement pin, 316 SS	\$70.00
<a href="#">P31536</a>	Sensor plug, polypropylene	\$70.00
<a href="#">P51545</a>	Replacement pin, ceramic	\$160.00