

# Paddlewheel Type 2537

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The GF Signet 2537 Flow Sensor belongs to a reliable generation of flow measurement technology. This type operates with a low flow velocity and has a low current consumption and high-resolution output. The GF Paddlewheel Flowmeter Type 2537 is available in 3 different versions: Integral pulse splitter, analogue transmitter and flow switch.

## APPLICATION

Process flow monitoring

## CHARACTERISTICS

- ✓ Has a small display
- ✓ Protected against incorrect connection of the polarity
- ✓ Available in lengths P0 and P1

## TECHNICAL DATA

### General

Flow range	: 0.1 - 6 m/s
Pipe sizes	: DN 15 - DN 200
Maximum pressure	: 12.5 bar (at 20°C) / 1.7 bar (at 90°C)
Maximum temperature	: 85 °C
Ambient temperature	: 0 to 65 °C
Relative humidity	: 0 - 90% (non-condensing)

### Electrical

Linearity	: +/- 1% of maximum range
Repeat accuracy	: +/- 0.5% of maximum range
Cable type	: 2 wire 'twisted pair', shielded
Cable length	: max. 300 meters

### Pulse splitter/flow switch

Max. voltage	: 30 VDC (10,8 - 35,2 VDC)
Max. current	: 50 mA
Max. pulse frequency	: 400 pulses/minute
Pulse length	: from 100 msec

### Analogue transmitter

Max. voltage	: 30 VDC of 250 VAC
Max. current	: 5 A

### Materials

Sensor	: glassfiber-reinforced PP
O-rings	: FPM-Viton
Rotor shaft	: Titanium
Rotor	: PVDF

## INSTALLATION & MAINTENANCE

### Installation

- ✓ One of the special Signet T-pieces or saddles can be used for installation in the pipe; pay attention to the corresponding length of the sensor relative to the installation fitting used.
- ✓ Observe the enclosed installation instructions for accurate measurement.
- ✓ Do not use the device with a cracked or broken screen Signet flowmeter type 2537