

## Member of the ProPoint™ Family of Monitors



Featuring analog and digital displays and a remote resettable totalizer.

## Features

- Permanent and Re-settable Totalizers
- Two Programmable Relays
- Fully Scaleable 4 to 20 mA Output
- Tamper proof security code
- Non-volatile memory
- Intuitive Software Design
- Programmable pulse outputs

## Applications

- Waste Water Flow Accumulation
- Water Treatment Systems
- Filtration Systems
- Feed Pump Pulsing
- Fertigation
- Irrigation
- Commercial Pools & Spas
- Groundwater Remediation
- HVAC
- Process Flow Monitoring
- UPW Distribution
- Demineralizer Regeneration
- Process Cooling Water
- Neutralization Systems

## Description

The Signet 5500 Flow Monitor is an instrument that comes fully equipped with all of the basic tools needed for monitoring and controlling a flow system. The analog dial enables the user to easily read instantaneous flow rate, while the backlit LCD is useful for calibration, set-up, and displaying totalized flow volume. The 5500 features a standard 1/4 DIN package and removable wiring terminals. Power the instrument with any standard 24-volt power supply (AC or DC).

Connect any one of Signet's wide array of flow sensors, then consider which output features are best for your application.

Two dry-contact relays can be configured for High or Low alarm operation, or they can be set to pulse operation for chemical dosing applications.

Use the internally powered 4 to 20mA output, programmable from the front keypad, to send the flow information to any PLC or data logger.

If you use all of these output features, you still have two more output pulse terminals, one at sensor frequency, the other triggered by the totalizer. And just for added convenience, the resettable totalizer can be reset by a remote hard-wired switch, up to 30m (100 ft.), or from the front keypad.

## System Overview

**Panel Mount**  
**Signet 5500**  
**Flow Instrument**  
 (includes mounting bracket and panel gasket)

**Signet Flow Sensor**  
 (sold separately)

515, 2536    525    2517, 2540    2100    2000    2507    7000    2537    2551    2552\*

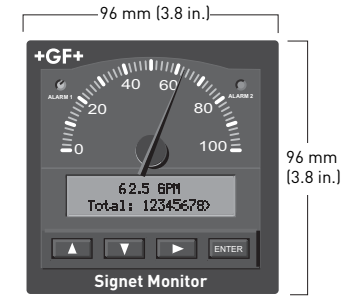
Signet Fittings or end connectors as required (sold separately)



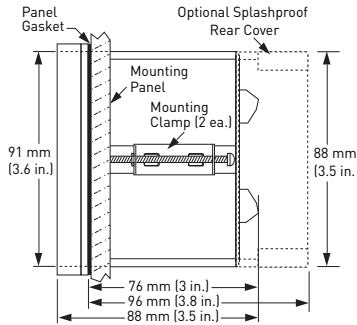
\*Contact your local Georg Fischer Sales Office for availability



## Dimensions



Front View



SIDE VIEW

## Specifications

### General

Operating Range: 0.5 Hz to 10kHz

Display:

- Analog: Six slide-in dial ranges - 0 to 2, 4, 6, 8, 10 & 100 w/multipliers
- Digital: Backlit LCD, 2x16 alphanumeric character

### Materials

- Enclosure: ABS Plastic
- Keypad: Silicone Rubber
- Panel and case gasket: Neoprene
- Window: Hard-coated polycarbonate

### Electrical

Power Requirements:

12 to 24 Volts, AC or DC, unregulated, 50 to 60 Hz, 10W max.

Current Output:

- 4 to 20 mA, non-isolated, active, internally powered
- Loop impedance: 350Ω max. @ 12V  
950Ω max. @ 24V
- Accuracy: ± 0.1%
- Update rate: 100 msec

### Electrical (continued)

Alarm Contacts:

- Two SPDT relays: Hi/Lo/Pulse programmable with adj. hysteresis  
5A @ 30VDC  
5A @ 125VAC  
3A @ 250VAC max.
- Additional Functions: Sensor pulse output, volumetric auxiliary pulse output, remote totalizer reset
- Accuracy: ± 0.5% of reading

### Environmental

Rating: NEMA 4X/IP65 front

Operating temperature:

-10 to 55° C (14 to 131° F)

Relative humidity:

0 to 95%, non-condensing

Shipping Weight:

0.8 kg (1.8 lbs.)

### Standards and Approvals

- UL, CE, CUL
- Manufactured under ISO 9001:2000 for Quality and ISO 14001:2004 for Environmental Management

## Ordering Information

Mfr. Part No.	Code	Description
3-5500	198 825 002	5500 Flow Monitor

### Model 5500

#### Ordering Notes:

- 1) Panel cutout should be 92 x 92 mm (3.62 x 3.62 in.)
- 2) Reversible dials are included and are scaled from 0 to 2, 0 to 4, 0 to 6, 0 to 8, 0 to 10, and 0 to 100.
- 3) An optional splash proof rear cover can be ordered separately if needed.
- 4) Flow rate unit tags are provided for labeling dials appropriately in units of gpm, lpm, etc.

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

## Accessories and Replacement Parts

Mfr. Part No.	Code	Description
<b>Mounting</b>		
3-5000.395	198 840 227	Splashproof rear cover
3-5000.399	198 840 224	5 x 5 inch adapter plate for Signet product retrofit
		Surface mount bracket
		Heavy duty wall mount bracket
<b>Liquid tight connectors</b>		
3-9000.392	159 000 368	Liquid tight connector kit (includes 3 connectors)
3-9000.392-1	159 000 839	Liquid tight connector kit, NPT (1 piece)
3-9000.392-2	159 000 841	Liquid tight connector kit, PG13.5 (1 piece)
<b>Replacement parts</b>		
3-5000.390	159 000 232	Installation kit (ProPoint screws, clamps, and mounting brackets)
3-5000.525-1	198 840 226	Bezel, 5000 series
3-5500.390	159 000 347	Dial kit
3-5500.611	198 840 230	Unit tags
3-5000.397	159 000 326	5000 Series Window (Window, keypad, & screws)
<b>Other</b>		
3-5000.398	159 000 646	Protective Overlay kit (10 pcs.)
3-5000.075	159 000 321	110V/24VAC Transformer
3-8050.396	159 000 617	RC Filter Kit (for relay use)