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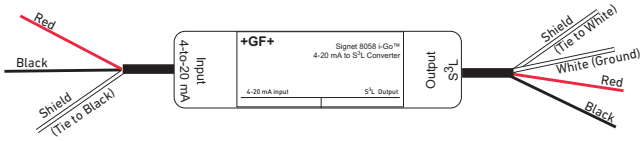
Signet i-Go® 8058 Signal Converter

3-8058-1



3-8058-1 wire mount



Features

- **Connects with level, temperature, pressure and Multi-Parameter Signet instruments**
- **Single 4 to 20 mA sensor input**
- **Connects additional measurement parameters to Signet Multi-Parameter instruments**
- **In-line wire**

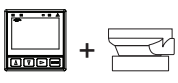
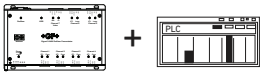
The Signet i-Go® 8058 Signal Converter accepts any 4 to 20 mA signal and converts it into the Signet digital (S^3L) format, the serial data format used by the Signet 8900, 9900 and 9950 instruments and Profibus Concentrator. When used with the 8900 Multi-Parameter Controller, 9900 or 9950 Transmitter or the Profibus Concentrator, the measurement type and operating range are defined in the setup menu. When used with level, temperature and pressure ProcessPro transmitters, the 8058 is configured at the factory to the user's specifications.

The wire-mount single-channel version is easily mounted anywhere in the interconnecting wiring between the sensor and the instrument.

Applications

- **Dissolved Oxygen Monitoring and Control in Wastewater**
- **Chlorine Dioxide for Disinfection**
- **Specific Ion**
- **BOD**
- **TOC**
- **Alkalinity**
- **Ozone Monitoring**
- **Conductivity**
- **Chlorine Injection Control**
- **Tank Level Monitoring**

System Overview

Panel Mount	Pipe, Tank, Wall	Automation System
Signet Instruments - 8900 - 9900 - 9950	Signet Instruments with 3-8050 Universal Mount Kit - 9900	- 0486 Profibus Concentrator and Customer Supplied Programmable Logic Controller or - Programmable Automation Controller
		

Signet i-Go® 8058 Signal Converter



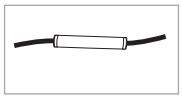
Any transmitter or other device with 4 to 20 mA output

All sold separately

Specifications

General			
Input		4 to 20 mA current loop, passive (external power required)	
Input Range		3.6 to 22.1 mA	
Output		Digital (S^3L) output	
Accuracy		±32 µA @ 25 °C	
Resolution		< 16 µA	
Update Rate		500 mS	
Temperature Drift		±1 µA per °C, max.	
Electrical			
Power Requirement		4.5 to 6.5 VDC < 3.0 mA	
Maximum Voltage		35 VDC	
Maximum Current		40 mA	
Isolation		Up to 48 VAC/DC	
Voltage Drop		5 VDC max.	
		Reverse polarity protected	
Cable			
	3-8058-1	400 mm (15 in.) input, 200 mm (8 in.) output	
Max. Recommended Cable Extensions			
	Loop in	305 m (1,000 ft)	
	Digital (S^3L) out	per digital (S^3L) guidelines	
Environmental			
Operating Ambient Temperature		-10 °C to 55 °C	14 °F to 131 °F
Storage Temperature		-20 °C to 85 °C	-4 °F to 185 °F
Relative Humidity		3-8058-1: 0 to 100%, condensing	
Shipping Weight			
		3-8058-1	0.09 kg	0.20 lb
Standards and Approvals			
		CE, FCC	
		RoHS compliant, China RoHS	

Ordering Information



Mfr. Part No.	Code	Options
4 to 20 mA output converted to a digital (S^3L) output		
3-8058-1	**159 000 966**	Single input wire-mount converter with short cable; for use with the 8900, 9900 or Profibus Concentrator

Special Order Options - Please consult the factory

-S	Converter configured for use with Signet 8350, or 8450. Customer must specify 4 and 20 mA designations. See ordering notes.
-SC	Special cable length for the -1 version

Ordering Notes

1) For the -S special option, customer must specify at time of order the actual process value at 4 mA and the actual process value at 20 mA for factory span calibration.
2) For the -SC special option, customer must specify the required length of cable in increments of feet or meters.

Accessories and Replacement Parts

Mfr. Part No.	Code	Description
5523-0222	**159 000 392**	Cable (per foot), 2 cond. w/shield, 22 AWG
5523-0322	**159 000 761**	Sensor Cable (per ft), 3 cond. plus shield, 22 AWG

3-8058.099 Rev G (06/20)
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