

3-8058-1



3-8058-2



The Signet i-Go™ 8058 Signal Converter accepts any 4 to 20 mA signal and converts it into the Signet digital (S³L) format, the serial data format used by the Signet 8250, 8350, 8450, 8900 and 9900 instruments. When used with the 8900 Multi-Parameter Controller or the 9900 Transmitter, 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. **If connecting an 8058-2 to a 9900 Transmitter, use Channel 1 only.**

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

The DIN rail mounted dual-channel version can convert one or two separate 4 to 20 mA inputs into a digital (S³L) output.

Features

- Connects with level, temperature, pressure and Multi-Parameter Signet instruments
- Up to two 4 to 20 mA sensor inputs
- Connects additional measurement parameters to Signet Multi-Parameter instruments
- In-line wire or DIN rail mountable



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
- Turbidity and Suspended Solids Monitoring

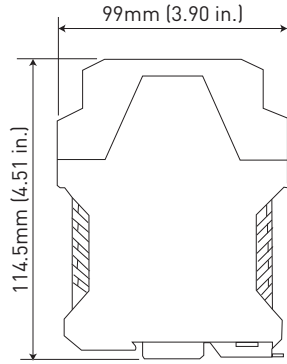


Specifications

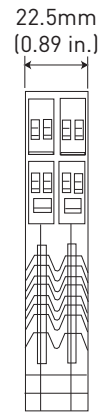
General			
Input	4 to 20 mA current loop, passive (external power required)		
Input Range	3.6 to 22.1 mA		
Output	Digital (S ³ L) output		
Accuracy	± 32 µA @ 25 °C		
Resolution	< 16 µA		
Update Rate	500 mS		
Temp. Drift	± 1 µA per °C, max.		
Electrical			
Power Requirement	4.5 to 6.5 VDC < 3.0 mA		
Max. Voltage	35 VDC		
Max. 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	
	3-8058-2	No cable provided (customer supplied)	
Max. Recommended Cable Extensions			
	Loop in	300 m (1000 ft)	
	Digital (S ³ L) out	per Digital (S ³ L) 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		
	3-8058-2: 0 to 90%, non-condensing		
Shipping Weight			
	3-8058-1	0.09 kg	0.20 lb
	3-8058-2	0.11 kg	0.25 lb
Standards and Approvals			
	CE, FCC		
	RoHS compliant, China RoHS		

Dimensions

3-8058-2 DIN Rail mount



Front View



Side View

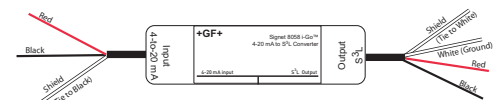
System Overview

Panel Mount	Field Mount - Pipe, Tank, Wall
Signet Instruments 8350 8450 8900 9900	Signet Instruments 8350 8450 9900 with 3-8050 Universal Mount Kit
<div style="display: flex; align-items: center; justify-content: space-around;"> <div style="text-align: left;"> <p>Signet i-Go™ 8058 Signal Converter</p> </div> <div style="font-size: 24px; font-weight: bold;">OR</div> <div style="text-align: right;"> </div> </div>	
<p>Any transmitter or other device with 4 to 20 mA output</p>	
<p>All sold separately</p>	

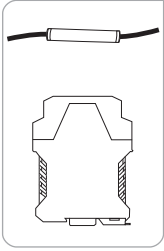
Ordering Notes

- 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.

3-8058-1 wire mount



Ordering Information



Mfr. Part No.	Code	Options
4 to 20 mA output converted to a digital (S ³ L) output		
3-8058-1	159 000 966	Single input wire-mount converter with short cable; for use with the 8900
3-8058-2	159 000 967	Two input DIN rail mount converter (customer supplied cable) for use with the 8900

Special Order Options - Please consult the factory

-S	Converter configured for use with Signet 8250, 8350, or 8450. Customer must specify 4 and 20 mA designations. See ordering notes.
-SC	Special cable length for the -1 version

Accessories and Replacement Parts

Mfr. Part No.	Code	Description
6205-0002	159 000 858	1-meter length DIN rail
6205-0003	159 000 859	End clip for DIN rail
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 D (5/13)

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