One transmitter
for multiple
measurements

Signet
9900 Transmitter

+GF+

GEORG FISCHER
PIPING SYSTEMS

Benefits

The 9900 Transmitter offers "at-a-glance" visibility, easy set-up and the flexibility to combine it with different parameters.

As a new member of the Signet SmartPro™ family of instruments, the Signet 9900 Transmitter provides a single channel interface for many different parameters including Flow, pH/ORP, Conductivity/Resistivity, Salinity, Temperature, Pressure, Level and other sensors that output a 4 to 20 mA signal. The 9900 Transmitter (Generation II) has the added capability of supporting the Batch Module for batching control.

9900 Transmitter – Panel and Field Mount

With our PC COMM configuration tool you can easily set-up the parameters on your laptop.

Flexibility
One instrument for multiple measurements. Designed for complete flexibility, plug-in modules allow the unit to easily adapt to meet changing customer needs. Optional modules include Relay, Direct Conductivity/Resistivity, H COMM, Batch and a PC COMM configuration tool.

At-a-glance visibility
The highly illuminated display and extra large (3.90" x 3.90") auto-sensing backlit display can be viewed at 4-5 times the distance over traditional transmitters. Large characters are easily visible even in dark conditions. The display shows separate lines for units, main and secondary measurements as well as a "dial-type" digital bar graph.

Quick and easy installation
The intuitive menu system is consistent with ProcessPro® and ProPoint® transmitters.

| Relay Module | Direct Conductivity/ Resistivity Module | H COMM Module | Batch Module | 0251 Configuration Tool |

+GF+

Features

Default values are available for quick and easy programming and can be customised if desired.

For at-a-glance visibility, the 9900 Transmitter features a large auto-sensing backlit display, "dial-type" bar graph and relay and warning LEDs. The intuitive menu system is consistent with ProcessPro® and ProPoint® transmitters, assuring you of a quicker and easier installation. The optional Relay, Direct Conductivity/Resistivity, H COMM and Batch plug-in modules offers ease of use. The PC COMM configuration tool allows you to easily set-up, review, save and load all modifiable parameters. The unit can be used with default values for quick and easy programming or can be customised with labelling, adjustable minimum and maximum dial settings, and unit and decimal measurement choices. The versatile device also allows third-party 4 to 20 mA signals to be used as an input (optional 8058 module required).

Mechanical Relay Indicator LED

Backlight Sensor

Mechanical Relay LED Indicator

Error Indicator

Open Collector (R1) Indicator LED

Bar Graph

Units of Measure

Value

Label

Menu Navigation Keys

Available in Panel or Field Mounts

+GF+

Features

One unit can replace ProPoint® and single-channel ProcessPro® instruments, dramatically reducing part numbers.
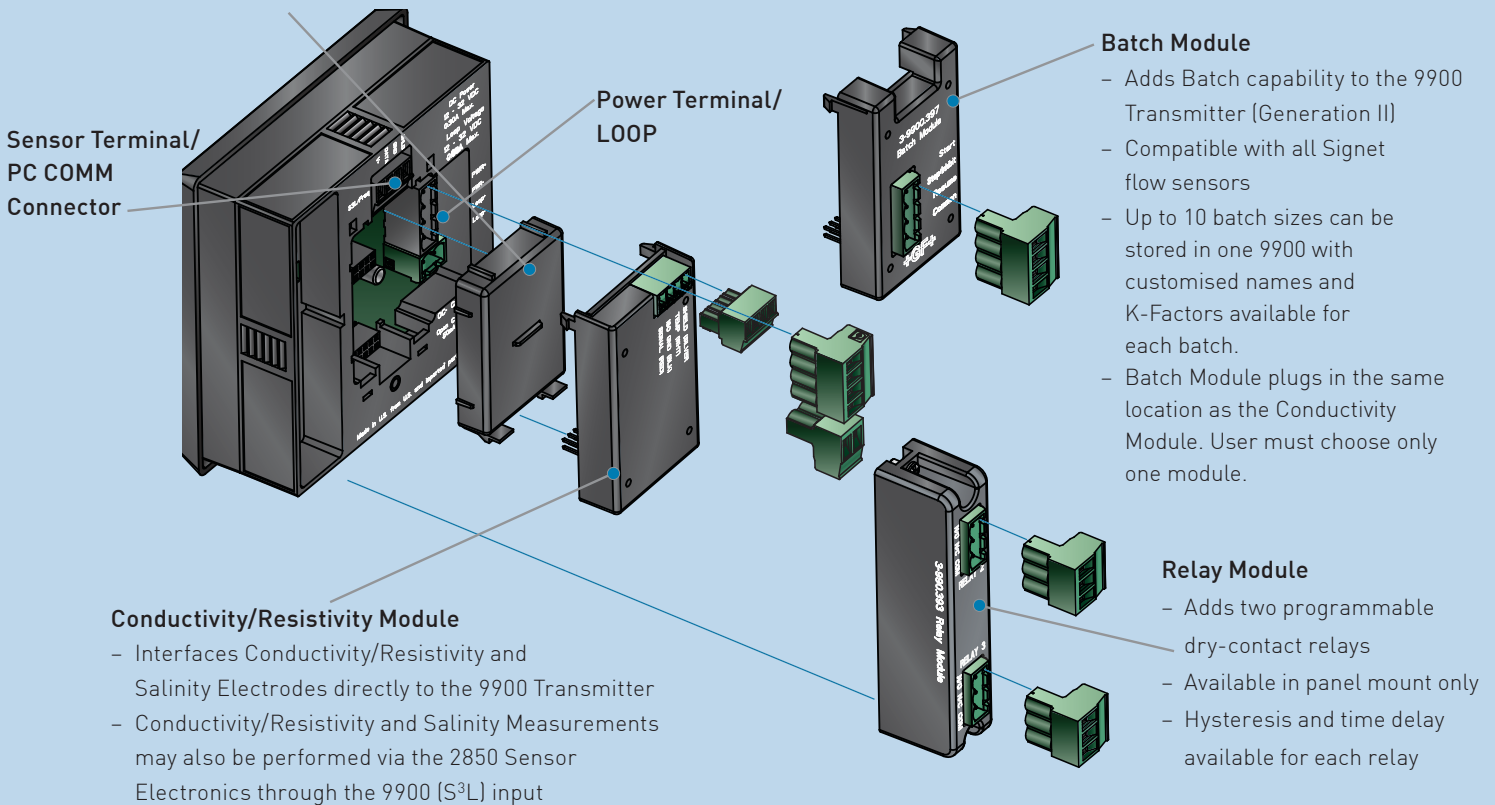
The 9900 Transmitter can be integrated in a panel unit or mounted in the field. Both configurations can run on 12 to 32 VDC power (24 VDC nominal) and can control many types of sensors on loop power. Customers have the option to convert their 9900 Transmitter (Generation II) to a Batch Controller by adding the Batch and Relay modules.

H COMM Module
– Allows communication between the 9900 Transmitter and any HART® enabled device
– Allows access to Primary and Secondary measurements remotely
– Allows user to remotely adjust the 4 and 20 mA settings
– Not compatible with Batch Module

PC COMM Tool
– Enables configuration and programming from a PC
– Settings from one 9900 Transmitter can be saved to a PC and applied to future installations
– Compatible with Windows 7, Vista and XP

Sensor Terminal/ PC COMM Connector

Power Terminal/ LOOP

Batch Module
– Adds Batch capability to the 9900 Transmitter (Generation II)
– Compatible with all Signet flow sensors
– Up to 10 batch sizes can be stored in one 9900 with customised names and K-Factors available for each batch.
– Batch Module plugs in the same location as the Conductivity Module. User must choose only one module.

Relay Module
– Adds two programmable dry-contact relays
– Available in panel mount only
– Hysteresis and time delay available for each relay

Conductivity/Resistivity Module
– Interfaces Conductivity/Resistivity and Salinity Electrodes directly to the 9900 Transmitter
– Conductivity/Resistivity and Salinity Measurements may also be performed via the 2850 Sensor Electronics through the 9900 (S³L) input

+GF+

System Overview

The angle adjustment adapter kit quickly and easily converts your 9900 Field Mount Transmitter to any angle.

Additional accessories are available to help you with field installations. We provide solutions for field mounting by offering a separate mounting kit. The 3-8050 Universal Mount Kit, the 3-8051 or 8052 Integral Mount Kits, and the Angle Adjustment Adapter Kit enable the transmitter to be installed virtually anywhere. The adapter angles the transmitter by 25° degrees, allowing moisture to run off the display. The accessory enhances the versatility of the 9900 Field Mount Transmitter.

9900 Field Mount Transmitter
Field mounting requires a separate mounting kit. The 3-8050 Universal Mount Kit, the 3-8051 or 8052 Integral Mount Kits, and the Angle Adjustment Adapter Kit enable the transmitter to be installed virtually anywhere.

Angle Adjustment Adapter Kit
The angle adjustment adapter kit quickly and easily converts your 9900 Field Mount Transmitter to a 25° angle. This accessory enhances the versatility of the 9900 Field Mount Transmitter.

Mounting Kits
For Field Mount installations with a Conductivity/Resistivity Module, the Angle Adjustment Adapter is required along with a 3-8050, 8051 or 8052 adapter kit to allow for sufficient clearance for the wiring.

+GF+

Applications

The 9900 Transmitter in a tank filling application.

The 9900 versatile parameter and modularity capabilities make the unit well suited for a variety of applications including wastewater treatment, reverse osmosis, deionisation, chemical manufacturing, metal and plastic finishing, fume scrubbers, cooling towers and media filtration.

9900 Transmitter

9900-1BC Batch Controller

Applications

No matter which processes and applications - GF Piping Systems supports its customers in every phase of the project.

From start to finish, we stand beside our customers as a competent, reliable and experienced partner, actively contributing the know-how of an industrial company that has been successful in the market for over 200 years. With our application knowledge and product expertise we support our customers during the planning process, the sustainable realisation of the projects and the provision of services.

Industrial & Municipal Water Treatment
Water treatment, whether it is for municipal or industrial applications, typically serves to improve the quality of the water to ensure public safety or to reduce negative impacts on process equipment and/or the environment. The 9900 Transmitter, part of the new SmartPro family, is ideal for use in measurement and control of various water treatment applications. Industrial Water Treatment applications include media

filtration, deionisation, desalination, cooling tower control, reverse osmosis, and fume scrubbers, while chlorine dioxide and ozone control are common in Municipal Water Treatment applications. Monitoring the quantity and quality of various parameters such as acidity/alkalinity of chemicals, salts, and chlorine concentrations are all important in delivering processed water to the quality standards demanded by each unique application.

Chemical Process Industry
The 9900 and applicable sensors can be used for measurement and control in the transport and dilution of various chemicals. Managing chemical tank levels and dosing of chemicals can all be monitored and controlled using the new 9900 Transmitter.

+GF+

GF Piping Systems – worldwide at home

Our sales companies and representatives
ensure local customer support in over 100 countries.

www.gfsignet.com

Adding Quality to People's Lives

Argentina/Southern South America
Georg Fischer Central Plastics
Sudamérica S.R.L.
Buenos Aires, Argentina
Phone +5411 4512 02 90
gfcentral.ps.ar@georgfischer.com

Australia
George Fischer Pty Ltd
Riverwood NSW 2210 Australia
Phone +61(0)2 9502 8000
australia.ps@georgfischer.com
www.georgfischer.com.au

Austria
Georg Fischer
Rohrleitungssysteme GmbH
3130 Herzogenburg
Phone +43(0)2782 856 43-0
austria.ps@georgfischer.com
www.georgfischer.at

Belgium/Luxembourg
Georg Fischer NV/SA
1070 Bruxelles/Brüssel
Phone +32(0)2 556 40 20
be.ps@georgfischer.com
www.georgfischer.be

Brazil
Georg Fischer Ltda.
04795-100 São Paulo
Phone +55(0)11 5525 1311
br.ps@georgfischer.com
www.georgfischer.com.br

Canada
Georg Fischer Piping Systems Ltd
Mississauga, ON L5T 2B2
Phone +1(905)792 8005
Fax   +1(905)792 6667
ca.ps@georgfischer.com
www.georgfischer.ca

China
Georg Fischer
Piping Systems Ltd Shanghai
Pudong, Shanghai 201319
Phone +86(0)21 3899 3899
china.ps@georgfischer.com
www.georgfischer.cn

Denmark/Iceland
Georg Fischer A/S
2630 Taastrup
Phone +45 (0)70 22 19 75
info.dk.ps@georgfischer.com
www.georgfischer.dk

Finland
Georg Fischer AB
01510 VANTAA
Phone +358 (0)9 586 58 25
Fax   +358 (0)9 586 58 29
info.fi.ps@georgfischer.com
www.georgfischer.fi

France
Georg Fischer SAS
95932 Roissy Charles de Gaulle Cedex
Phone +33(0)1 41 84 68 84
fr.ps@georgfischer.com
www.georgfischer.fr

Germany
Georg Fischer GmbH
73095 Albershausen
Phone +49(0)7161 302-0
info.de.ps@georgfischer.com
www.georgfischer.de

India
Georg Fischer Piping Systems Ltd
400 076 Mumbai
Phone +91 224007 2001
in.ps@georgfischer.com
www.georgfischer.in

Italy
Georg Fischer S.p.A.
20063 Cernusco S/N (MI)
Phone +3902 921 861
it.ps@georgfischer.com
www.georgfischer.it

Japan
Georg Fischer Ltd
556-0011 Osaka,
Phone +81(0)6 6635 2691
jp.ps@georgfischer.com
www.georgfischer.jp

Korea
Georg Fischer Piping Systems
271-3 Seohyeon-dong Bundang-gu
Seongnam-si, Gyeonggi-do
Seoul 463-824
Phone +82 31 8017 1450 3
Fax   +82 31 8017 1454
kor.ps@georgfischer.com
www.georgfischer.kr

Malaysia
George Fischer (M) Sdn. Bhd.
40460 Shah Alam, Selangor Darul Ehsan
Phone +60 (0)3 5122 5585
my.ps@georgfischer.com
www.georgfischer.my

Mexico/Northern Latin America
Georg Fischer S.A. de C.V.
Apodaca, Nuevo Leon
CP66636 Mexico
Phone +52 (81)1340 8586
Fax   +52 (81)1522 8906
mx.ps@georgfischer.com
www.georgfischer.mx

Middle East
George Fischer Piping Systems
Dubai, United Arab Emirates
Phone +971 4 289 49 60
info.export@georgfischer.com
www.export.georgfischer.com

Netherlands
Georg Fischer N.V.
8161 PA Epe
Phone +31(0)578 678 222
nl.ps@georgfischer.com
www.georgfischer.nl

Norway
Georg Fischer AS
1351 Rud
Phone +47(0)67 18 29 00
no.ps@georgfischer.com
www.georgfischer.no

Poland
Georg Fischer Sp. z o.o.
05-090 Sekocin Nowy
Phone +48(0)22 31 31 0 50
poland.ps@georgfischer.com
www.georgfischer.pl

Romania
Georg Fischer
Piping Systems Ltd
020257 Bucharest - Sector 2
Phone +40(0)21 230 53 80
ro.ps@georgfischer.com
www.export.georgfischer.com

Russia
Georg Fischer Piping Systems
Moscow 125047
Tel. +7 495 258 60 80
ru.ps@georgfischer.com
www.georgfischer.ru

Singapore
George Fischer Pte Ltd
528 872 Singapore
Phone +65(0)67 47 06 11
sgp.ps@georgfischer.com
www.georgfischer.sg

Spain/Portugal
Georg Fischer S.A.
28046 Madrid
Phone +34(0)91 781 98 90
es.ps@georgfischer.com
www.georgfischer.es

Sweden
Georg Fischer AB
117 43 Stockholm
Phone +46(0)8 506 775 00
info.se.ps@georgfischer.com
www.georgfischer.se

Switzerland
Georg Fischer
Rohrleitungssysteme (Schweiz) AG
8201 Schaffhausen
Phone +41(0)52 631 30 26
ch.ps@georgfischer.com
www.piping.georgfischer.ch

Taiwan
Georg Fischer Piping Systems
San Chung City, Taipei Hsien
Phone +886 2 8512 2822
Fax   +886 2 8512 2823
www.georgfischer.tw

United Kingdom/Ireland
George Fischer Sales Limited
Coventry, CV2 2ST
Phone +44(0)2476 535 535
uk.ps@georgfischer.com
www.georgfischer.co.uk

USA/Caribbean
Georg Fischer LLC
Tustin, CA 92780-7258
Phone +1(714) 731 88 00
Toll Free 800 854 40 90
us.ps@georgfischer.com
www.gfpiping.com

Vietnam
George Fischer Pte Ltd
136E Tran Vu, Ba Dinh District, Hanoi
Phone +84 4 3715 3290
Fax   +84 4 3715 3285

International
Georg Fischer
Piping Systems (Switzerland) Ltd.
8201 Schaffhausen/Switzerland
Phone +41(0)52 631 30 03
Fax   +41(0)52 631 28 93
info.export@georgfischer.com
www.export.georgfischer.com

+GF+

GEORG FISCHER
PIPING SYSTEMS