New Products and Product Upgrades

9900 Transmitter (Generation IV)

Top Features

- Modbus Module supports RS485 Serial Modbus Communications
- Multiple sensor types supported with one instrument
- Large auto-sensing backlit display with large characters, "dial-type" digital bar graph, relay and warning LEDs for at-a-glance monitoring
- Field installable plug-in modules
- Customize process label, dial settings, units and decimals
- Add on 4 to 20 mA Output Module adds second output to a 9900 SmartPro Transmitter

Ideal for

- · Wastewater Treatment
- Reverse Osmosis
- Deionization
 - Ultra Pure Water
 - Two Bed System
 - Mixed Bed System
- Chemical Manufacturing/Addition
- Metal and Plastic Finishing
- Media Filtration
- Batch operation with optional batch module or 9900-1BC batch system



Modbus Module

Signet 9900 Transmitter

Member of the SmartPro® Family of Instruments



Panel Mount

Field Mount

The Signet 9900 Transmitter provides a single channel interface for many different parameters including Flow, pH/ORP, Conductivity/Resistivity, Salinity, Pressure, Temperature, Level, Dissolved Oxygen, and other sensors that output a 4 to 20 mA signal. The 9900-1P Transmitter can also be used as a Batch Controller when a Batch Module and Relay Module are installed.

The 9900 is offered in both panel or field mount versions. Both configurations offer an extra large (3.90" x 3.90") auto-sensing backlit display features "at-a-glance" visibility that can be viewed at 4-5 times the distance over traditional transmitters. The highly illuminated display and large characters reduce the risk of misreading or misinterpreting the displayed values. The display shows separate lines for units, main and secondary measurements as well as a "dial-type" digital bar graph.

The 9900 can run on 12 to 32 VDC power (24 VDC nominal), and can also be loop powered with compatible sensors.

Rear Enclosure Kits are available for the 9900-1P Panel Mount. Kit options include either a Hinged Cover (3-9900.399-1) for wall or pipe mount installations, or a Flat Cover (3-9900.399-2) designed to fit inside a panel for waterproof protection.

The 9900 offers complete flexibility, plug-in modules allow the unit to easily adapt to meet changing customer needs. Optional modules include the new Modbus as well as the Relay, Direct Conductivity/Resistivity, H COMM, Batch, 4 to 20 mA Output, and a PC COMM Configuration Tool. The unit can be used with default values for quick and easy programming or can be customized with labeling, adjustable minimum and maximum dial settings, and unit of measure and decimal location choices.

Features

- Modbus Module supports RS485 Serial Modbus Communications
- Multiple sensor types supported with one instrument
- · "Dial-type" digital bar graph
- Modules are field installable and replaceable anytime
- Optional Relay Module for addition of two drycontact relays
- Optional H COMM Module for two-way communication
- Optional Batch Module for Batch Control
- Modbus Module for connection to Serial, RS485, Modbus networks
- One 4 to 20 mA output in base unit. One additional 4 to 20 mA available with optional module
- Rear Enclosure Kits for panel, wall or pipe mounting
- Warning and Relay LED indicators for "at a glance" visibility
- Customizable features including digital label for custom identification
- Optional PC COMM configuration tool for configuration at a PC











Applications

- Wastewater Treatment
- Reverse Osmosis
- Deionization
 - Ultra Pure Water
 - Two Bed System
 - Mixed Bed System
- · Chemical Manufacturing/Addition
- Metal and Plastic Finishing
- Fume Scrubber
- Cooling Towers
- Media Filtration

U.S. Patent Nos.: D662,844 S, D622,845 S Taiwan Patent Nos.: D147,149, D147,150

Chlorine

Temperature/ Pressure Graphs

Specifications

| General | | | | | |
|---------------------------------|-------------------|---|--|--|--|
| Input Channels | | One | | | |
| Input Types Digital (S³L) | | Serial ASCII, TTL level, 9600 bps | | | |
| | Frequency | Range | 0.5 to 1500 Hz | | |
| | | Accuracy | 0.5% of reading | | |
| Measuremer | nt Types | Flow, pH/ORP, Conductivity/Resistivity, Salinity, Pressure, Temperature, Level, Dissolved Oxygen, Batch or user-defined (via 8058) | | | |
| Enclosure a | nd Display | | | | |
| Case Materia | al | PBT | | | |
| Window | | Shatter-resistant glass | | | |
| Keypad | | 4 buttons, injection-mo | lded silicone rubber seal | | |
| Display | | Backlit, 7 and 14-segme | ent | | |
| Update Rate | | 1 s | | | |
| LCD Contras | t | 5 settings | | | |
| Indicators | | "Dial-type" digital bar g | raph. LEDs for open collector, relays and warning indicator | | |
| Enclosure Si | ze | 1/4 DIN | | | |
| Mounting | 9900-1P | | | | |
| | Panel | ¼ DIN, ribbed on four sides for panel mounting clip inside panel, silicon gasket included. Optional rear enclosure with flat cover available for waterproof protection when installed inside a panel. | | | |
| | Wall | Options include 9900-1P installed in pre-wired NEMA enclosure, wall mount enclosure inside of rear enclosure with hinged cover. (USA Only) | | | |
| | Pipe | Optional Rear Enclosure with hinged cover and 9900-1P for pipe mount installation | | | |
| Mounting | 9900-1 | | | | |
| Field (Integral) | | Options include yellow universal or integral kits for installation with sensor | | | |
| Display Ran | ges | | | | |
| рН | | 0.00 to 15.00 pH | | | |
| pH Tempera | ture | -39.99 °C to 149.99 °C | -40 °F to 302 °F | | |
| ORP | | -1999 to +1999 mV | | | |
| Flow Rate | | -9999 to 99999 units per second, minute, hour or day | | | |
| Totalizer | | 0.00 to 99999999 units | | | |
| Conductivity | | 0.0000 to 99999 μ S, mS, PPM and PPB (TDS), $k\Omega$, $M\Omega$ | | | |
| Conductivity | Temperature | -100 °C to 250 °C | -148 °F to 350 °F (application and sensor dependent) | | |
| Temperature | 9 | -99 °C to 350 °C | −99 °F to 350 °F | | |
| Pressure | | -40 to 1000 psi | | | |
| Level | | -9999 to 99999 m, cm, ft, in, % | | | |
| Volume | | 0 to 99999 cm³, m³, in³, ft³, gal, L, lb, kg, % | | | |
| Salinity | | 0 to 99.97 PPT | | | |
| Dissolved 0x | ygen | PPM 0-50, % SAT 0-200, 0 to 999.9 TORR | | | |
| Dissolved Oxygen Temperature | | -99 °C to 350 °C | −99 °F to 350 °F | | |
| Environmen | tal | | | | |
| Ambient Ope | erating Temperatu | ıre | | | |
| Backlit LCD | | -10 °C to 70 °C | 14 °F to 158 °F | | |
| Storage Temperature | | -15 °C to 70 °C 5 °F to 158 °F | | | |
| Relative Humidity | | 0 to 100% condensing for field mount; 0 to 95% non-condensing for panel mount | | | |
| Maximum Altitude | | 4,000 m (13,123 ft) | | | |
| Enclosure Ra | ating | NEMA 4X/IP65 (front fa used with universal or i | ce only on panel mount); field mount is 100% NEMA 4X/IP65 when ntegral installation kits | | |

Specifications (continued)

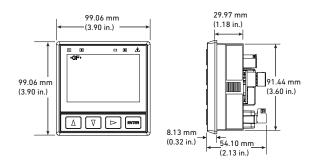
| Electrical Requirements | | | | | |
|--|-------------------------------|--|--|--|--|
| Power to Sensors | . / 0 to E E VDC 0 05 00 | manulata - | | | |
| Voltage Current | | +4.9 to 5.5 VDC @ 25 °C, regulated | | | |
| Current | | 1.5 mA max in loop power mode (up to 2.0 mA with 24 V @ 300 Ω max. loop impedance); 20 mA max when using DC power | | | |
| Short Circuit | Protected | | | | |
| Isolation | Low voltage (< 48V AC/I | DC) to loop with DC | power connected | | |
| No isolation when using loo | p power only | | | | |
| Terminal Blocks | Pluggable screw type | | 14 AWG max wire gauge | | |
| Input Power | | | | | |
| DC | 10.8 to 35.2 VDC, regula | ted | | | |
| 9900 without Relay Module | 200 mA @ 10.8 VDC to 3 | 35.2 VDC | | | |
| 9900 with Relay Module | 300 mA @ 10.8 VDC to 3 | 35.2 VDC | | | |
| Overvoltage Protection | 48 Volt Transient Protec | tion Device | | | |
| Current limiting for circuit p | rotection | | | | |
| Reverse-Voltage Protection | | | | | |
| Loop Power | | | | | |
| Loop Power Only | | | 1 | | |
| Max. Loop Impedar | | 325 Ω @ 18 V | 600 Ω @ 24 V | | |
| With DC Power Input or with | | | | | |
| Max. Loop Impedar | ice 250 Ω @ 12 V | 500 Ω @ 18 V | 750 Ω @ 24 V | | |
| Relay Specifications | | | | | |
| | Dry Contact Relays (2) | Open Collector (1 | 1) | | |
| Туре | SPDT | N/A | | | |
| Form | С | N/A | | | |
| Maximum Current Rating | 5 A resistive | 50 mA DC | | | |
| Maximum Voltage Rating | 30 VDC or 250 VAC | 30 VDC | | | |
| Hysteresis | Adjustable (absolute in | Adjustable (absolute in engineering units) (EUs) | | | |
| Latch | Reset in test screen only | Reset in test screen only | | | |
| Delay | 9999.9 seconds (max.) | 9999.9 seconds (max.) | | | |
| Test Mode | Set On or Off | Set On or Off | | | |
| Cycle Time | 99999 seconds (max.) | 99999 seconds (max.) | | | |
| Maximum Pulse Rate | 300 pulses/minute | 300 pulses/minute | | | |
| Proportional Pulse | 400 pulses/minute | 400 pulses/minute | | | |
| Volumetric Pulse Width | 0.1 to 3200 s | | | | |
| Pulse Width Modulation | 0.1 to 320 s | | | | |
| Input Types | | | | | |
| Digital (S ³ L) or AC frequency | V | | | | |
| 4 to 20 mA input via the 805 | | | | | |
| · · · · · · · · · · · · · · · · · · · | (S³L) output from the 2750/27 | 751 pH/ORP Sensor | Electronics | | |
| | | | ty electrodes via Direct Conductivity/ | | |
| Resistivity Module or via 28 | | | | | |
| Input Specifications | | | | | |
| Digital (S³L) | Serial ACSII, TTL level, 9 | Serial ACSII, TTL level, 9600 bps | | | |
| Frequency Input | | | | | |
| Sensitivity | 80 mV @ 5 Hz, gradually | 80 mV @ 5 Hz, gradually increasing with frequency | | | |
| Span | 0.5 Hz to 1500 Hz @ TTI | 0.5 Hz to 1500 Hz @ TTL level input | | | |
| Accuracy | ± 0.5% or reading max e | ± 0.5% or reading max error @ 25 °C | | | |
| Resolution 1 µS | | | | | |
| Resolution 1 µS Repeatability ± 0.2% of reading | | | | | |

Chlorine

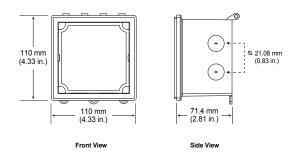
Specifications (continued)

| - | pecifications continued Supply | | | | |
|------------------------------|--|---|---------------------------|----------------|--|
| ower. | Rejection | ±1 μA per volt | | | |
| | Short Circuit | Protected | | | |
| Update | | (1/frequency) + 150 m | c | | |
| • | Conductivity/Resistivity Module (3-990 | | 5 | | |
| on cct c | Accuracy | Conductivity +/- 2% of | Reading | | |
| | Accuracy | Temperature 0.5 °C | Reduing | | |
| | Resolution | Conductivity 0.1% of R | eading | | |
| | Resolution | Temperature <0.2 °C | caunig | | |
| | Update Rate | 2.5 Seconds | | | |
| | Compatible Electrodes | All GF Signet Sensors | | | |
| utput | Specifications | 3 | | | |
| | t Output - One (1); Two (2) with 4 to 20 | mA Output Module | | | |
| | Current Loop Output Standard | ANSI-ISA 50.00.01 Cla | ss H | | |
| | Current Output | | ılly adjustable and reve | ersible | |
| | Span | 3.8 to 21 mA | , , | | |
| | Zero | | er programmable from | 3.8 to 5.0 mA | |
| | Full Scale | | user programmable fro | | |
| | Accuracy | ±32 μA max. error @ 2 | | | |
| | Resolution | 6 μA or better | | | |
| | Temperature Drift | ±1 μA per °C | • | | |
| | Power Supply Rejection | ±1 μA per V | | | |
| | Isolation | Low voltage (< 48 VAC | Low voltage (< 48 VAC/DC) | | |
| | Voltage | 12 to 32 VDC ±10% | | | |
| | Maximum Impedance (with DC power input) | 250 Ω @ 12 VDC | 500 Ω @ 18 VDC | 750 Ω @ 24 VDC | |
| | Maximum Impedance (no DC power input) | 50 Ω @ 12 VDC | 325 Ω @ 18 VDC | 600 Ω @ 24 VDC | |
| | Update Rate | 150 mS nominal | | | |
| | Short circuit and reverse polarity | protected | | | |
| | Adjustable Span | Reversible | | | |
| | Error Condition | Selectable error condi | tion 3.6 or 22 mA | | |
| | Actual update rate determined by | sensor type | | | |
| | Test Mode | Increment to desired of | urrent (range 3.8 to 21 | .00 mA) | |
| hippin | ng Weights | | | | |
| Base Ui | nit | 0.63 kg | 1.38 lb | | |
| 1odbus | s Module | 0.16 kg | 0.35 lb | | |
| СОМ | M Module | 0.16 kg | 0.35 lb | | |
| Conduc | tivity Module | 0.16 kg | 0.35 lb | 0.35 lb | |
| Relay Module | | 0.19 kg | 0.41 lb | 0.41 lb | |
| Batch Module | | 0.16 kg | 0.35 lb | 0.35 lb | |
| 4 to 20 Output Module | | 0.16 kg | 0.35 lb | | |
| Rear Enclosure, Hinged cover | | 0.30 kg | 0.65 lb | | |
| Rear Enclosure, Flat cover | | 0.28 kg 0.60 lb | | | |
| tanda | rds and Approvals | | | | |
| | | CE, UL, CUL, FCC | | | |
| | | RoHS Compliant, China | a RoHS | | |
| | | Lloyd's Register | · | | |
| | | Manufactured under ISO 9001 and ISO 14001 for Environmental Management and OHSAS 18001 for Occupational Health and Safety | | | |

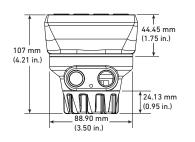
Dimensions - Panel Mount

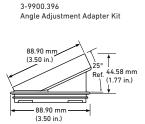


Dimensions - Rear Enclosure



Integral Mount

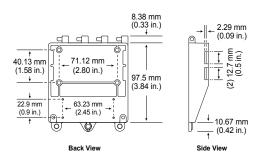


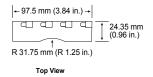


| | 9900 Generation | | | |
|--------------|-----------------|----|---|----|
| Sensor model | I | II | Ш | IV |
| 515/8510 | Х | х | х | Х |
| 525 | Х | Х | Х | Х |
| 2000 | Х | Х | Х | Х |
| 2100 | Х | х | Х | Х |
| 2250 | Х | Х | Х | Х |
| 2350 | Х | Х | Х | Х |
| 2450 | Х | Х | Х | Х |
| 2507 | Х | х | Х | Х |
| 2536/8512 | Х | Х | Х | Х |
| 2537-5 | Х | Х | Х | Х |
| 2540 | Х | Х | Х | Х |
| 2551 | Х | Х | Х | Х |
| 2552 | Х | Х | Х | Х |
| 2580 | Х | Х | Х | Х |
| 2610-51 | Х | х | Х | Х |
| 2610 + 8058 | Х | Х | Х | Х |
| 2724-2726 | Х | х | Х | Х |
| 2734-2736 | Х | Х | Х | Х |
| 2750 | Х | Х | Х | Х |
| 2751 | Х | Х | Х | Х |
| 2756-2757 | Х | х | Х | Х |
| 2764-2767 | Х | Х | Х | Х |
| 2774-2777 | Х | Х | Х | Х |
| 2819-2823 | Х | Х | Х | Х |
| 2839-2842 | Х | Х | Х | Х |
| 2850 | Х | Х | Х | Х |
| U1000 | Х | Х | Х | Х |
| U3000/U4000 | Х | Х | Х | Х |

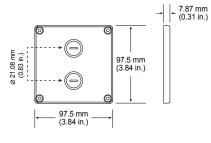
| 0000 Madula | 9900 Generation | | | |
|--------------------------|-----------------|----|----------|---------|
| 9900 Module | X | II | III X | IV X |
| Н СОММ | | X | | |
| Relay | Х | Х | Х | Х |
| Conductivity/Resistivity | Х | Х | Х | Х |
| Batch | | Х | Х | Х |
| 4 to 20 mA Output | | | Х | Х |
| Modbus | X | Х | Х | Х |

Hinged Cover

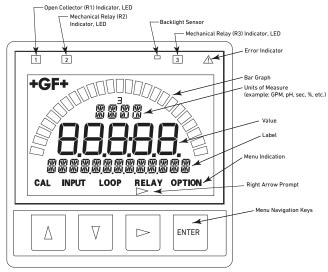






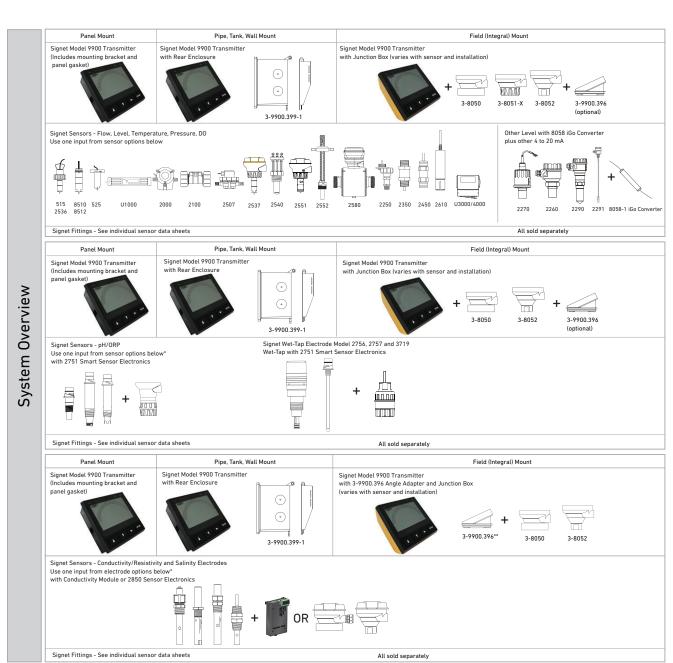


Back View Side View

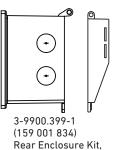


All possible segments shown in this illustration. The instrument's software controls which segments are shown at any particular time. Only the bar graph segment outline and GF logo are visible when the unit is turned off.

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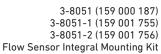
- * See individual sensor datasheets for additional information
- **3-9900.396 is required with the Conductivity Module and either 3-8050 or 3-8052 to provide sufficient clearance

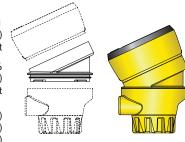


hinged cover









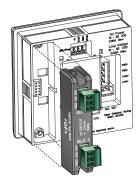
Plug in Modules

Optional modules and accessories are available for the 9900:

- a. Base Unit (required)
- b. Slot for optional H COMM or Modbus Module
- c. Slot for optional Conductivity/ Resistivity, Batch, or 4 to 20 mA Output Module
- d. Slot for optional Relay Module (not available on field mount)

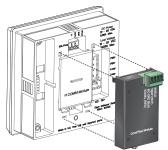
Each item is ordered separately.

Modules are field-replaceable at any time.



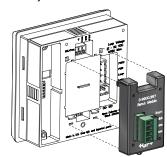
Relay Module (Panel Installations Only) (3-9900.393)

This module adds two programmable dry contact relays to the standard Open Collector output in the base unit.



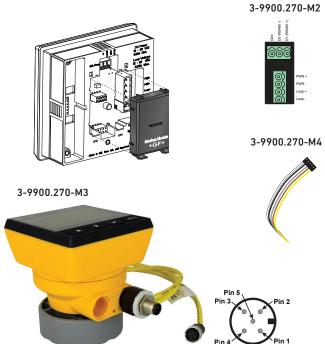
Direct Conductivity/Resistivity Module (3-9900.394)

The Direct Conductivity/Resistivity Module interfaces Signet 2819-2823 and 2839-2842 Conductivity electrodes directly to the 9900.



Batch Module (3-9900.397)

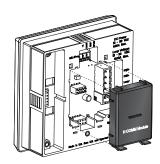
The Batch Module adds batch capability to the 9900 Transmitter (Generation II and newer). It is compatible with all Signet flow sensors.



Modbus Modules (3-9900.270-MX)

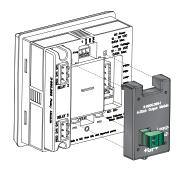
These Modules allow the 9900 to communicate with Automation systems using the Modbus serial RS485 Protocol. 3-9900.270-M2 - Terminal Block Connections (Panel Mount Only) 3-9900.270-M3 - M12 Connector (Field Mount Only)

3-9900.270-M4 - Modbus Module with 5 Wire Cable Assembly



H COMM Module (HART®) (3-9900.395)

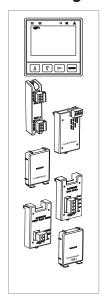
The H COMM Module enables communication between the 9900 and a HART® enabled device. (Not available for use on 3-9900-1BC Batch Controller)



4 to 20 mA Output Module (3-9900.398-1)

The 4 to 20 mA Output Module adds a second 4 to 20 mA Output to the 9900 Transmitter (Generation III and later). Each of the outputs can be used to output the primary and/or secondary measurement.

Ordering Information



| Mfr. Part No | Code | Description | | |
|---|--------------------|---|--|------------|
| 9900 Base Unit - 9 | Single Channel, Mu | lti-Parameter, 4 to 20 mA, Open Collector, DC power | | |
| 3-9900-1P | 159 001 695 | 9900 Panel Mount Transmitter | | |
| 3-9900-1 | 159 001 696 | 9900 Field Mount Transmitter | | |
| 3-9900-1BC | 159 001 770 | Batch Controller System | | |
| Optional Accesso | ry Modules | | | |
| 3-9900.270-M2 | 159 200 121 | Modbus Module with Terminal Block Assembly (Panel Mount Only) | | |
| 3-9900.270-M3 159 200 122 3-9900.270-M4 159 200 128 | | Modbus Module with M12 Connector Assembly (Field Mount Only) Modbus Module with 5 Wire Cable Assembly | | |
| | | | | 3-9900.393 |
| 3-9900.394 | 159 001 699 | Direct Conductivity/Resistivity Module | | |
| 3-9900.395 | 159 001 697 | H COMM Module | | |
| 3-9900.397 | 159 310 163 | Batch Module | | |
| 3-9900.398-1 | 159 001 784 | 4 to 20 mA Output Module* | | |
| | • | • | | |

 $^{^{*}}$ Module adds a second 4 to 20 mA output. One 4 to 20 mA output is included in the base unit.

Accessories and Replacement Parts

| Mfr. Part No | Code | Description |
|----------------|-------------|---|
| 6682-0204 | 159 001 709 | Conductivity Module Plug, 4 Pos, Right Angle |
| 6682-1102 | 159 001 710 | DC Power Plug, 2 Pos, Right Angle |
| 6682-1103 | 159 001 711 | Relay Module Plug, 3 Pos, Right Angle |
| 6682-1104 | 159 001 712 | Loop Power Plug, 4 Pos, Right Angle |
| 6682-3104 | 159 001 713 | Freq/S³L Plug, 4 Pos, Right Angle |
| 6682-3004 | 159 001 725 | Terminal Block Plug |
| 7310-1024 | 159 873 004 | 24 VDC Power Supply, 0.42 A, 10W |
| 7310-2024 | 159 873 005 | 24 VDC Power Supply, 1.0 A, 24W |
| 7310-4024 | 159 873 006 | 24 VDC Power Supply, 1.7 A, 40W |
| 7310-6024 | 159 873 007 | 24 VDC Power Supply, 2.5 A, 60W |
| 7310-7024 | 159 873 008 | 24 VDC Power Supply, 4.0 A, 96W |
| 3-0252 | 159 001 808 | 0252 Configuration Tool |
| 3-8050 | 159 000 184 | Universal Mount Kit |
| 3-8050.396 | 159 000 617 | RC Filter kit (for relay use), 2 per kit |
| 3-8051 | 159 000 187 | Flow Sensor Integral Mounting Kit, NPT, Valox |
| 3-8051-1 | 159 001 755 | Flow Sensor Integral Mounting Kit, NPT, PP |
| 3-8051-2 | 159 001 756 | Flow Sensor Integral Mounting Kit, NPT, PVDF |
| 3-8052 | 159 000 188 | 3/4 in. Integral Mount Kit |
| 3-8058-1 | 159 000 966 | I-Go® Signal Converter, wire-mount |
| 3-8058-2 | 159 000 967 | I-Go® Signal Converter, DIN rail mount |
| 3-9000.392-1 | 159 000 839 | Liquid Tight Connector Kit, NPT (1 pc.) |
| 3-9900.270-CB1 | 159 200 123 | Replacement Wire Cable Assembly for M1 |
| 3-9900.270-CB2 | 159 200 124 | Replacement Terminal Block Assembly for M2 |
| 3-9900.270-CB3 | 159 200 125 | Replacement M12 Connector Assembly for M3 |
| 3-9900.270-CB4 | 159 200 129 | Replacement Cable Assembly for M4 |
| 3-9900.390 | 159 001 714 | Standard Connector Kit, Right Angle, 9900 Transmitter |
| 5541-5005 | 159 855 021 | 5 meter (16 ft) M12 cable |
| 5541-5010 | 159 855 022 | 10 meter (32 ft) M12 cable |
| 3-9900.391 | 159 001 715 | Optional Connector Kit, In-Line, 9900 Transmitter |
| 3-9900.392 | 159 001 700 | Wall Mount Accessory Kit for 9900 |
| 3-9900.396 | 159 001 701 | Angle Adjustment Adapter Kit (for Field Mounting) |
| 3-9900.399-1 | 159 001 834 | Rear Enclosure Kit, Hinged Cover |
| 3-9900.399-2 | 159 001 835 | Rear Enclosure Kit, Flat Cover |

Signet Rear Enclosure Kit for 9900 Transmitter



Panel Mount Transmitter



Hinged Cover



Flat Cover

The Signet Rear Enclosure Kit allows the 9900 Transmitter to be mounted just about anywhere. The design features make it suitable for installations onto walls, pipes, struts or inside panels. There are two kits available, Rear Enclosure with hinged cover or with flat cover. Kits can be installed on any generation of the 3-9900-1P Panel Mount Transmitter. They can also be used with the 3-9900-1BC Batch Controller System.

The hinged cover version is suitable for wall or pipe mount installations. The kit is equipped with necessary wall mounting hardware. Plastic tie wraps or metal hose clamps (customer supplied) can be used for pipe mount installations. Two slots are available up to 12.7 mm (0.5 in.) wide. The hinged cover design allows for easy access to the back of the 9900 Transmitter for wiring and module installation. The user can install the hinged door to swing down, up or side-to-side.

The flat cover is designed to fit inside a panel for waterproof protection.

Both options have sufficient space for all 9900 Transmitter modules. Enclosures have hole markers on all sides, so users can drill holes and position the wires on the top, bottom or sides.

Features

- Compatible with all existing 9900-1P Transmitters
- NEMA TYPE 4X/IP66 rated for indoor or outdoor installations
- Spacious for any 9900 Transmitter accessory module
- Hinged cover design for easy to access wiring
- Hinged cover suitable for wall mount or pipe mount installations
- Use inside a panel for waterproof protection
- Drill holes on any side for flexible wiring orientation



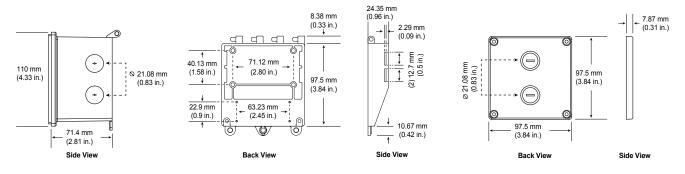
Applications

- Wastewater Treatment
- Reverse Osmosis
- Deionization
 - Ultra Pure Water
 - Two Bed System
 - Mixed Bed System
- Chemical Manufacturing/Addition
- Metal and Plastic Finishing
- Fume Scrubber
- Cooling Towers
- Media Filtration
- Aquatic
- Municipalities

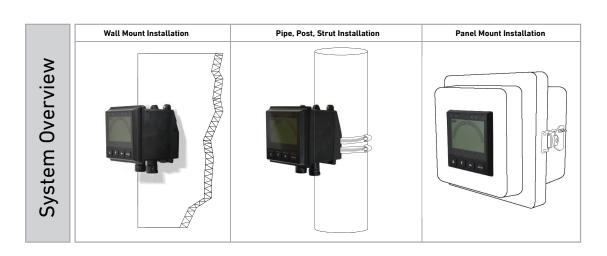
Specifications

| General | | | | | |
|---|-------------------------------|---|---------------------------------|--|--|
| Case Material | | PBT-PC alloy | | | |
| Rear Enclos | | Silicone molded gas | sket | | |
| Front Gasket | | | Silicone molded gasket | | |
| | | Flat Cover Kit - Polyurethane die-cut foam gasket | | | |
| Brass Insert | ts and Stainless Steel Screws | | garanta are carried and garanta | | |
| Mounting | Panel | Rear Enclosure, Flat | | | |
| | Wall | Rear Enclosure, Hinged cover | | | |
| Pipe | | Rear Enclosure, Hinged cover | | | |
| Environmental Ambient Operating Temperature | | | | | |
| | | -10 °C to 70 °C | 14 °F to 158 °F | | |
| Rating | | NEMA TYPE 4X/IP66 | | | |
| Shipping Wo | eights | | | | |
| Rear Enclosure, Hinged cover | | 0.30 kg | 0.65 lb | | |
| Rear Enclosure, Flat cover | | 0.28 kg | 0.60 lb | | |
| Standards and Approvals | | | ' | | |
| | | RoHS compliant, China RoHS | | | |

Dimensions



Manufactured under ISO 9001 for Quality and ISO 14001 for Environmental Management and OHSAS 18001 for Occupational Health and Safety



Ordering Information

| | बियायय है। | Mfr. Part No | Code | Description | |
|--|-----------------------|--------------|-------------|------------------------------|--|
| | | 3-9900.399-1 | 159 001 834 | Rear Enclosure, Hinged Cover | |
| | | 3-9900.399-2 | 159 001 835 | Rear Enclosure, Flat Cover | |
| | | | | | |

GF Africa

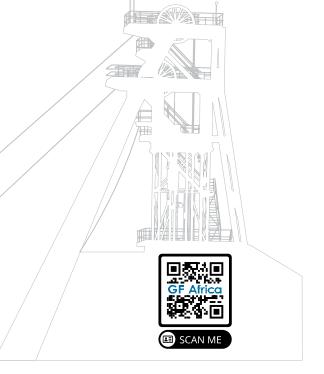


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