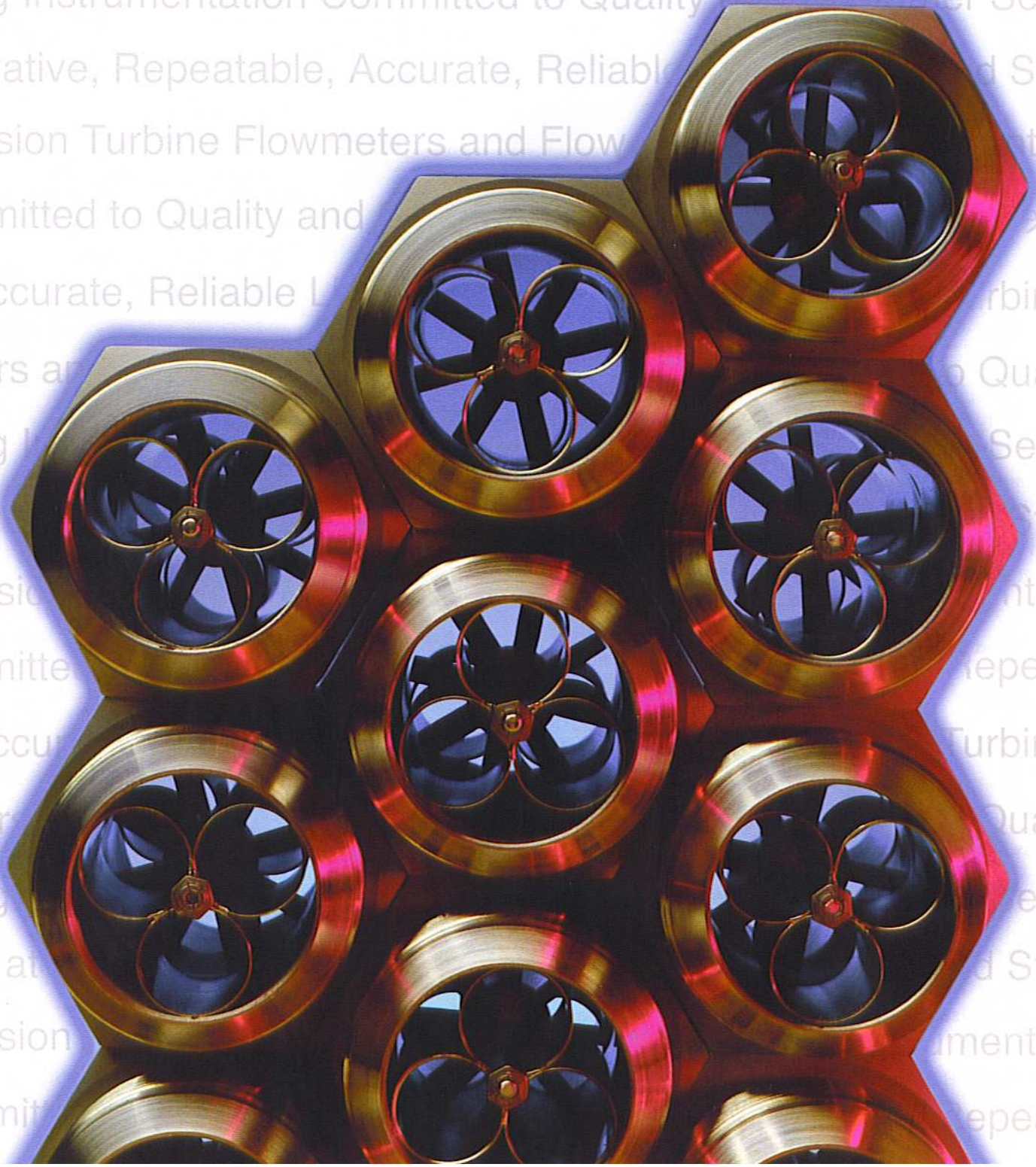


SPONSLE, INC.

Flow Measuring Devices and Controls

A Unit of **IDEX** Corporation



For 30 years SPONSLER has been providing accurate, reliable flow measuring systems. We believe that quality insures long term success.

PRECISION TURBINE FLOWMETERS

High Resolution

Simple Installation

Versatile Mounting

Low Pressure Drop

Variety of Endfitting Choices

- Sizes: 1/4" to 12" (0.635 cm to 30.48 cm)
For other sizes consult factory.

- Flowrates: .375 to 12,000 US GPM
.05 to 12,000 ACFM

- Temperature Range: -430° to 450° F;
+1000°F optional
(-256.7°C to 232.2°C; 537.8°C optional)
- Accuracy: $\pm .5\%$ Linear
- Repeatability: $\pm .02\%$
- Standard Endfittings:
AN Flare, NPT, Flanged
- Standard Material:
300 Series Stainless Steel



WAFER SERIES FLOWMETERS

Standard Endfittings:

Fits between flanges

Standard Material:

300 Series Stainless Steel

High Accuracy

Attitude Insensitive

AC Sinewave Signal

Cost and Space Efficient

- Sizes: 3/4" to 6" (1.9 cm to 15.2 cm)
- Flowrates: 2.5 to 2900 US GPM
- Temperature Range:
-430° to 450° F; +1000°F optional
(-256.7°C to 232.2°C; 537.8°C optional)
- Accuracy: $\pm 1\%$ Linear
- Repeatability: $\pm .1\%$



SANITARY SERIES FLOWMETERS

Clean In Place with Low Pressure Steam

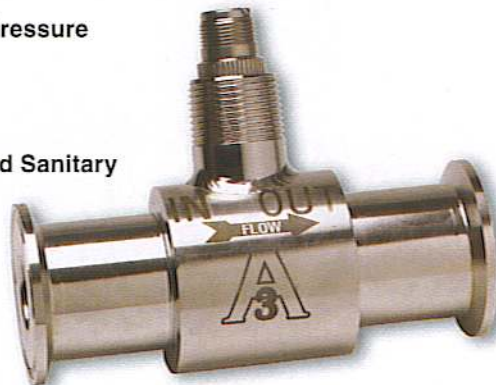
Flexible Applications

3A Approved and Standard Sanitary Flowmeters Available

High Accuracy

3A Sanitary Flowmeters Built to Wisconsin Dairy Standards

Vertical or Horizontal Installation



- Standard Sanitary Sizes:
1/4" to 3" (0.635 cm to 7.62 cm)
- 1/2" through 4" available 3A approved
(1.9 cm to 10.2 cm available in 3A approved)
- Flowrates: .25 to 650 US GPM
(946.4 – 2460518 cc/min)
- Temperature Range: -100 to 450°F
(-73.3°C to 232.2°C)
- Accuracy: $\pm .5\%$ Linear
- Repeatability: $\pm .1\%$
- Standard Endfittings: Tri-clover
- Standard Material: 300 Series Stainless Steel

IT400: RATE INDICATOR AND TOTALIZER

- Temperature Compensated
- Modulated Carrier Compatible
- 20 point Linearization
- Rate Indicator and / or Totalizer
- Data Logging via Smartcard
- Increased Ease of Programmability
- Backlighting
- Features Dependant upon User Request



CRYOGENIC DELIVERY SYSTEM

- User Friendly Menu Driven Programming, NO SCROLLING
- 10 Point Flowmeter Linearization
- Quick, Simple Versatile Mounting and Installation
- Programmable Maintenance Reminders Based on Actual Turbine Service

Model T675: Transport Measurement System

- Temperature Compensation supports 8 Individual Products
- Pump Control Output with Programmable Delay Interval
- Infrared, RS232, and BlueTooth Communications Ports Available

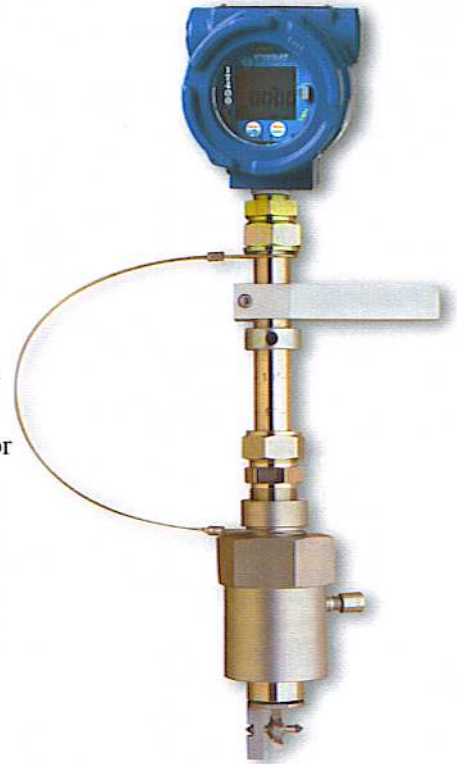


SPONSLE, INC. • A Unit of IDEX Corporation
 2363 Sandifer Blvd. • Westminster, SC 29693
 (864) 647-2065 • www.sponsler.com

INSERTION SERIES FLOWMETERS

The Sponsler Insertion Flowmeter is specially designed for retractable operation to meet varying depth applications. Sponsler Insertion flowmeters are manufactured with a stem length of 12 to 36 inches to allow for installation in pipelines from 3 to 72 inches.

- Sizes: 1 1/2" (3.81cm) , fits inside 2" (5.08 cm) NPT Riser
- Flowrates:
Liquid 2-40 ft/sec
(56633.7 – 1132674 cm/sec.)
Gas 20-200 ft/sec
(566336.9 – 5663369 cm/sec.)
- Temperature Range: -100° to 350°F
(-73.3°C to 176.7°C)
- Accuracy: $\pm 1\%$ Linear
- Repeatability:
 $\pm .25\%$ over nominal rated flow range
- Max. Pressure: 150 psig for liquid (100psig for gas)
- Standard Endfittings:
2" FNPT, 3" 150# Flange
- Standard Material:
300 Series Stainless Steel



FLOW COMPUTERS FOR LIQUID AND GAS APPLICATIONS



Model SP3850

Versatile Flow Computer for Liquids and Gases

Dual Stage Batch Totalizer

Hi / Low Limit

Rate Indication

Linearization

Form "C" contact closures

Compensation—Temperature, Pressure, Volume, Corrected Volume, and Mass



SP 4000

Multi-function Flow Computer for Liquids and Gases

Supports Liquid, Gas, Steam, and heat flow equations

Compensation for Temperature, Density, and Pressure

Computations for Volume, Corrected Volume, and Mass

Linearization: 16 point, UVC table, and Dynamic Compensation

Output Relays: 2 form C, 4 form C, or 2 form A solid state

Stored Information: Steam Tables (saturated and superheated)

AGA, NX19 for Natural Gas

Panel Mount, High Impact Plastic Enclosure

EEPROM Stores all Programs and Counts Data for Minimum of 10 Years if Power is lost

Signal Input 3-30VDC Square wave

Outputs include 4-20mA, Scaled Pulse and Optional RS232

Optional NEMA4 and Explosion Proof enclosures available

For more information, please visit our website at www.sponsler.com

LO-FLO SERIES FLOWMETERS

Low Maintenance Cost

Liquid & Gas Measurement

12 Overlapping Flow Ranges

AC Sine Wave Signal Output

Encapsulation option for
High Pressure, High or Low
Temperature, or extreme
Corrosive environment

- Orifice Sizes: .020 to .175
- Flowrates: .002–3 US GPM
(7.6 – 11356.24 cc/min)
in 12 overlapping ranges

- Temperature Range:
–430° to 450° F; +1000°F optional
(–256.7°C to 232.2°C; 537.8°C optional)
- Repeatability: $\pm .25\%$ of reading
- Standard Endfittings:
AN Flare, NPT, Flanged
- Standard Material:
300 Series Stainless Steel



CORROSIVE SERIES FLOWMETERS

Available in a wide variety of
corrosion resistant materials
allowing for measurement of
hard to handle liquids such as
Chlorine, Hydrochloric acid,
Muriatic acid, and Sulfuric acid.

- Sizes: 1/4" to 4" (0.635 cm to 10.16 cm)
For larger sizes consult factory.
- Flowrates: .25 to 1,250 US GPM
- Temperature Range: –100° to 280°F
(–73.3°C to 137.8°C)
- Accuracy: $\pm .5\%$ Linear
- Repeatability: $\pm .25\%$
- Standard Endfittings: Flanged to ANSI B16.5
- Standard Materials: CPVC, Kynar, Teflon



INDUSTRIAL SERIES AMPLIFIERS TRANSMITTERS

Output Proportional to Flow
 Short Circuit Protection
 Explosion Proof Enclosure
 Meter Mounted
 Sensitivity Field Adjustable



MODEL SP711-3: 3-wire Analog Transmitter

Outputs include 0-5 or 0-10 VDC,
 Switch Selectable

Linearly converts a frequency input
 to an equivalent voltage output
 12-28 VDC

MODEL SP712-2: Loop Powered 4-20mA Transmitter

2-wire 4-20mA Loop Powered Output

Linearly converts a frequency input to an
 equivalent 4-20mA current output

MODEL SP714: Pulse Amplifier

6-28 VDC
 5mA @ 24 VDC

Amplifies and conditions
 low amplitude signals

MODEL SP717: Modulated Carrier Amplifier

6-28 VDC
 30mA @ 24 VDC

Produces a Carrier Fre-
 quency in Conjunction with
 an RF Pickup Coil

MODEL SP718: Modulated Carrier Analog Transmitters for Current or Voltage

110 VAC, 60Hz, or
 12-16.5 VDC Input
 Voltage Linearly converts
 the detected carrier
 frequency modulation rate
 to an equivalent Analog
 Output

MODEL SP720-2: Loop Powered Modulated Carrier 4-20mA Transmitter

Combines the advantages
 of the modulated carrier
 principle with the conve-
 nience and accuracy of a
 loop powered 4-20mA
 transmitter

Services

- **Field Service**
- **Calibration**
- **Repair**
- **Customer Service**
- **Training and Education**
- **Technical Support**

QUALITY MANAGEMENT SYSTEM
 CERTIFIED BY DNV
 == **ISO 9001:2000** ==

OUR COMMITMENT TO QUALITY

At Sponsler, Inc., we are committed to designing, manufacturing, and calibrating the highest quality flow measuring products. All associates share this commitment to continual improvement, customer satisfaction, and quality.

Manufacturing operations at Sponsler, Inc. include precision machining and electronics manufacturing combined with rigid, comprehensive calibration and testing procedures. These operations ensure that every Sponsler product conforms to the highest quality standards and applicable regulatory requirements. With commitment to competitive pricing, devotion to quality, superior customer service, and a reliable delivery of products, Sponsler, Inc. strives to combine technologically, innovative products with the highest rate of reliability.