Global Network

Germany
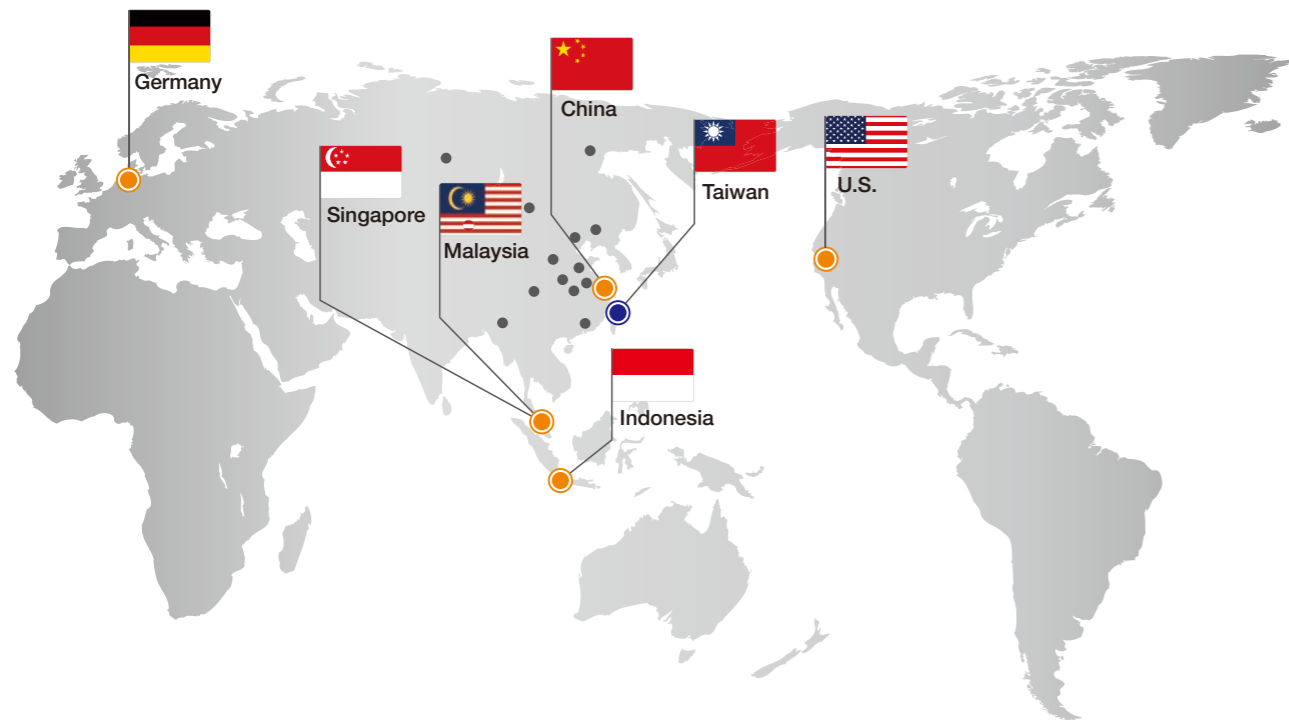**China**
Taiwan
U.S.
Singapore
Malaysia
Indonesia

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Distributor:

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PRODUCTS GUIDE

Process Automation Solution for food & Beverage Industries

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Solid / Liquid Level Measurement for Field Application
Pneumatic Vibrator/Air Shocker Solution
Temperature Controller/ Counter /Digital Panel Meter

Your BEST Partner

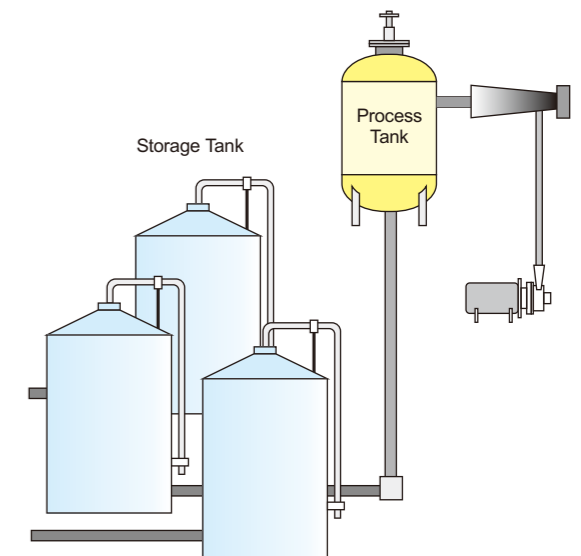## Application

- CIP Washing System
- SIP Sterilization System
- Pasteurization System
- Protection of IP69K Sterile Processing Environment
- Batching & Mixing System
- Sanitary Storage Facility
- Solid/Liquid Level Measurement
- Flow and Temperature Measurement
- Meet Sanitary Surface Cleanliness Requirement

FineTek is a professional provider of level instruments for process automation and has more than 30 years of experience. We have strong R&D group and precise processing management with ISO9001 approval. We keep developing and supplying quality products to meet different market demands.

To meet food /sanitary industry requirement of environment cleanness, CIP (Cleaning In Place), SIP (Sterilization In Place) etc, we devote to provide innovative, safe, efficient total solutions. Our reliable and safe process instruments help you with improvement, strengthening solutions for food, beverage, pharmaceutical and biotechnology industry.

We apply our experience to help our customers increase production efficiency, reduce labor hours, and minimize product loss. Our products also meet European Hygienic Engineering & Design Group (EHEDG), Food and Drug Administration (FDA) and 3-A standards.

Storage Tank

Process Tank

Your Made-To-Order Solutions

FineTek

SCS Sanitary Tuning Fork Level Switch

It is durable and easy to use, no calibration required.
Wide voltage supply range 20~250Vac/dc, 50/60Hz.
High/Low failure safe modes.
SPDT Relay output / SSR MOSFET output.
It is suitable for detecting the level in bins, silos
and hoppers, which filled with powdered materials
Of different density.

APPLICATION:

- Powders such as milk powder, flour, cellulose powder, sugar, beans, spices, coffee beans, soda powder, and salt.
- Liquids such as water, cream, beverage, soy-bean sauce, and liquor.
- Can be used in storage tank, stirring tank, mixer tank, filter tank etc.
- Good performance in foam and adhesive liquids.
- Sanitary connection with FDA and 3-A standards.

SPECIFICATION:

	SCS16□□	SCS13□□ / SCS15□□
Dimensions		
Model	SCS16□□	SCS13□□ / SCS15□□
Housing Material	SUS316	Aluminum / SUS316
Welded Parts	SUS316L	SUS316L
Roughness Average(um)	Ra<0.3 or Ra<0.5 or Ra< 0.8(um)	Ra<0.3 or Ra<0.5 or Ra< 0.8(um)
Ambient Temp.	-40~60°C	-40~60°C
Operation Temp.	-40~150°C	-40~150°C
Density/Viscosity	Density: Solid > 0.07 g/cm^3 liquid > 0.7 g/cm^3 Viscosity: 1~10000 cSt	Density: Solid > 0.07 g/cm^3 liquid > 0.7 g/cm^3 Viscosity: 1~10000 cSt
Switching threshold	with vertical orientation: 11±3 mm from top of fork with horizontal orientation: 4±1 mm from fork centre	with vertical orientation: 11±3 mm from top of fork with horizontal orientation: 4±1 mm from fork centre
Vibrating Freqency	800Hz	800Hz
Operation Humidity	20%~80% RH non-condensed	20%~80% RH non-condensed
Supply Voltage	19~253 Vac/ Vdc, 50/60Hz or 12~55 Vdc Approx. 10 mA	19~253 Vac, 50/60 Hz or 19~253 Vdc, Relay O/P x 2
Switching Delay	1~3sec	1~3sec
Alarm	AC 2 wire contact less electronic switch DC 3 wire NPN/ PNP	19~253 Vac, 50/60 Hz or 19~253 Vdc，Relay O/P x 2
Degree of protection	DIN43650 (IP65) M12x1 (IP67) Cable (IP67)	IP65
Operation pressure	40BAR (Max.)	40BAR (Max.)

SAS Sanitary Capacitance Level Switch

Simple structure, no abrasion of movable structure.
High/Low power failure safe modes.
Supply voltage: 20~250Vac/dc, 50/60Hz .
Relay output and NPN transistor output.
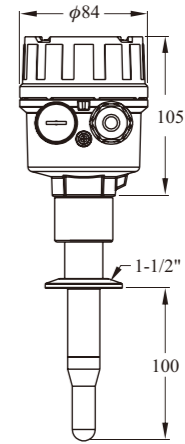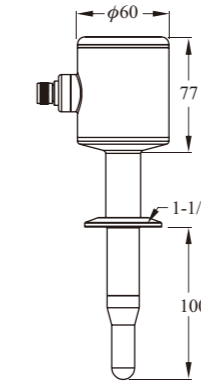Anti-corrosion sanitary connection with FDA approved material.

APPLICATION:

- Solid, powder and liquid level detection Operation temperature:-20~150°C
- Suitable for acid, alkaline, shaking or electrostatic environment
- CIP Washing System
- Not affected by water, bubbles, dust and steam
- Can be used in stirring tank, filter tank, receiver tank and storage tank
- Meet Europe EHEDG and U.S. 3-A sanitary standards

SPECIFICATION:

Dimensions	$\phi 60$ 77 1-1/2" 100	$\phi 84$ 105 1-1/2" 100
Model	SAS15□□	SAS13□□ / SAS14□□
Housing Material	SUS316	Aluminum / SUS316
Welded Parts	PEEK	PEEK
Roughness Average(um)	Ra<0.3 or Ra<0.5 or Ra< 0.8(um)	Ra<0.3 or Ra<0.5 or Ra< 0.8(um)
Ambient Temp.	-20~60°C	-20~60°C
Operation Temp.	-20~150°C	-20~150°C
Supply Voltage	20~250Vac/dc, 50/60 Hz	20~250Vac/dc, 50/60 Hz
Switching Delay	0~6sec	0~6sec
Sensitivity Range	10pF (Std.)	10pF (Std.)
Alarm	R:Relay SPDT 5A/250Vac/30Vdc N:Transistor 400mA/60Vac/dc	R:Relay SPDT 5A/250Vac/30Vdc N:Transistor 400mA/60Vac/dc
Degree of protection	IP65	IP65
Connection	3A--1-1/2"	3A--1-1/2"
Weight	Approx. 0.8Kg	Approx. 0.8Kg
Operation pressure	25Bar (Max.)	25Bar (Max.)

EBS Sanitary RF-Admittance Level Transmitter

Temperature max.: 150°C; pressure max.: 40kg/cm²
Low consumption of power; high accuracy of linearity.
Easy to calibrate; accuracy is not affected by temperature and pressure.
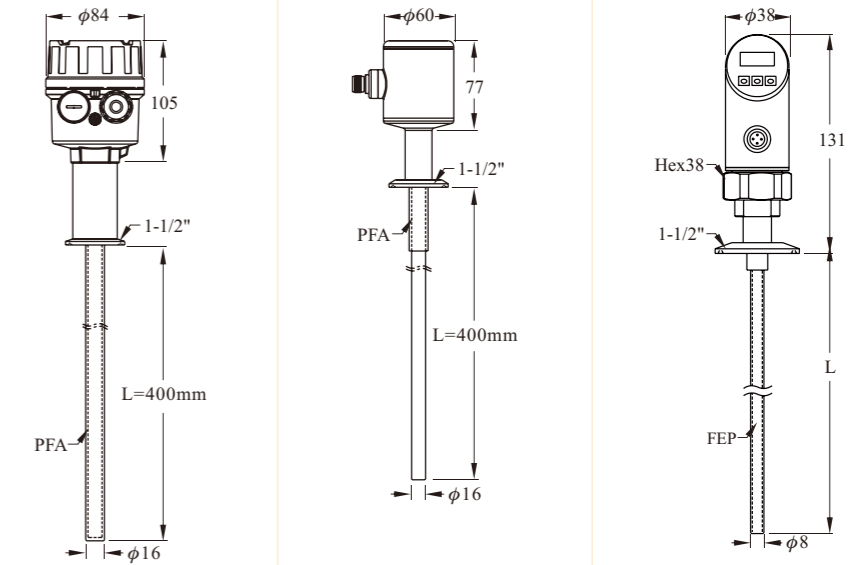Anti-corrosion sanitary connection with FDA approved material.

APPLICATION:

- High temperature, high pressure or corrosive environment
- CIP Washing System
- SIP Sterilization System
- Pasteurization System
- Not affected by water, bubbles, dust and steam
- Can be used in stirring tank, filter tank, receiver tank and storage tank
- Meet Europe EHEDG and U.S. 3-A sanitary standards

SPECIFICATION:

Dimensions			
Model	EBS13□□ / EBS14□□	EBS15□□	EBS12□□
Housing Material	Aluminum / SUS316	SUS316	SUS316
Welded Parts	SUS304/316	SUS304/316	SUS304/316
Roughness Average(um)	Ra<0.3 or Ra<0.5 or Ra< 0.8(um)	Ra<0.3 or Ra<0.5 or Ra< 0.8(um)	Ra<0.3 or Ra<0.5 or Ra< 0.8(um)
Measuring Range	0~5000pF	0~5000pF	0~5000pF
Ambient Temp.	-40~80°C	-40~80°C	-40~80°C
Operation Temp.	-40~150°C	-40~150°C	-40~150°C
Supply Voltage	12~36Vdc	12~36Vdc	12~36Vdc
Output Current	4 ~20mA(Two wire)	4~20mA(Two wire)	4 ~20mA(Two wire)
Output Linear Range	3.8~21.5mA	3.8~21.5mA	3.8~21.5mA
Upper Limit	22mA	22mA	22mA
Lowerr Limit	3.5mA	3.5mA	3.5mA
Output Latch	3.5、22mA	3.5、22mA	3.5、22mA
Accuracy	≤±1%FS(25°C)	≤±1%FS(25°C)	≤±1%FS(25°C)
Degree of protection	IP65	IP65	IP65
Connection	3A--1"	3A--1"	3A--1"
Weight	Approx. 2.3kg(1M)	Approx. 2.3kg(1M)	Approx. 2.3kg(1M)
Operation pressure	40Bar (Max.)	40Bar (Max.)	40Bar (Max.)

EGS Sanitary Magnetostrictive Level Transmitter

High resolution and accuracy, stable and reliable
Easy to install, no regular calibration and
maintenance required.
Anti-pollution, anti-dust, and high pressure
endurable features with seamless outer casing.
Connected with PC for remote monitoring and
control.
Operation temperature: -40~200℃

APPLICATION:

- Dual liquids or interface detection
- Suitable for high temperature (200℃) SIP
  environment
- High pressure cleaning environment
- CIP Control SIP Control
- Pasteurization System
- Pharmaceutical Facility
- Beverage, water, and cooking oil
- Beverage filling and liquid level control
- Temperature measurement
- Liquid leak detection

SPECIFICATION:

Dimensions

Model	EGS15
Housing Material	SUS316
Welded Parts	SUS316/SUS316L
Roughness Average(um)	Ra<0.3 or Ra<0.5 or Ra< 0.8(um)
Measuring Range	25mm~2500mm
Sensor	2
Temp. Sensor	PT1000
Temp. Accuracy	±0.5℃
Ambient Temp.	-40~85℃
Operation Temp.	-40~200℃
Supply Voltage	12V~36Vdc
Output Current	4~20mA-20~4mA
Output Current Resistence	<500(ohm)
Output Voltage	0~10V-10~0V
Output Ripple	<10mV
Output Voltage Resistence	2KΩ
Sample Rate	500 time/s
Non-linearity	±100 um @ 500mm or ±0.02% FS
Repeatability	±0.01% FS
Hysteresis	±0.01% FS
Communication	RS485/HART
Degree of protection	IP67/IP69K
Connection	3A--1-1/2"
Operation Pressure	30Bar (Max.)

FGS Sanitary Magnetic Float Level Transmitter

Accuracy is not affected by temperature and pressure; 2 alarm output ;Supply voltage: 12~36Vdc.
Operation temperature: -40~120°C.
Reed module designed to ensure stability and prevent damage from installation and operation.
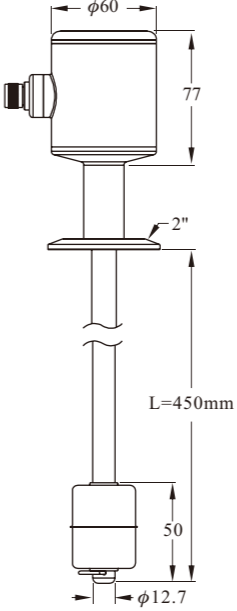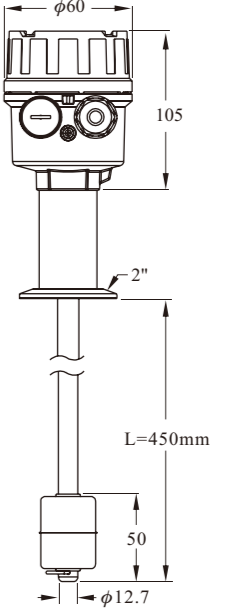Double insulations to prevent damage on PCB by moisture.
Data can be displayed by LCD panel on transmitter, easier for adjustment, including 2 wire Loop Power output.

APPLICATION:

- Can be used in storage tank, balance tank, mixer tank and receiver tank
- Stable and reliable measurement
- CIP System
- Meet Europe EHEDG and U.S. 3-A sanitary standards

SPECIFICATION:

Dimensions

Model	FGSCQ	FGSCF / FGSCT
Housing Material	SUS316	Aluminum / SUS316
Welded Parts	SUS316 / SUS316L	SUS316 / SUS316L
Roughness Average(um)	Ra<0.3 or Ra<0.5 or Ra< 0.8(um)	Ra<0.3 or Ra<0.5 or Ra< 0.8(um)
Measuring Range	0.1~6M	0.1~6M
Ambient Temp.	-40~80°C	-40~80°C
Operation Temp.	-40~120°C	-40~120°C
Supply Voltage	12~36Vdc	12~36Vdc
Output Current	4~20mA	4~20mA
Output Linear Range	3.8~21.5mA	3.8~21.5mA
Upper Limit	22mA	22mA
Lowerr Limit	3.5mA	3.5mA
Output Latch	3.5、22mA	3.5、22mA
Accuracy	0.1%FS,25°C	0.1%FS,25°C
Degree of protection	IP65	IP65
Connection	3A--2"	3A--2"
Operation pressure	40Bar (Max.)	40Bar (Max.)

SPS Sanitary Thermal Dispersion Flow Switch

No limit for installation space and no abrasion of movable structure.
Detect liquids with impurities, acidity or alkaline.
Probe length can be customized for different applications.
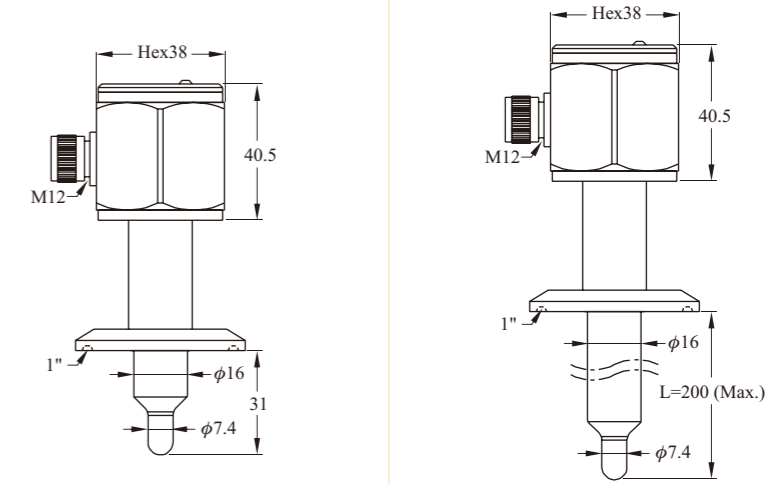
APPLICATION:

- Pipelines
- Feed pipe and mixing pipe
- Alarm output (relay, NPN/PNP)
- Maximum operation pressure 100Bar
- Meet Europe EHEDG and U.S. 3-A standards

SPECIFICATION:

Dimensions		

Model	SPS200	SPS201
Housing Material	SUS316L	SUS316L
Welded Parts	SUS316L	SUS316L
Roughness Average(um)	Ra<0.3 or Ra<0.5 or Ra< 0.8(um)	Ra<0.3 or Ra<0.5 or Ra< 0.8(um)
Measuring Range	Water: 1~150 cm/s Oil: 3~300 cm/s	Water: 1~150 cm/s Oil: 3~300 cm/s
Ambient Temp.	-20~80°C	-20~80°C
Operating Temp.	-20~130°C	-20~130°C
Supply Voltage	19~30Vdc	19~30Vdc
Power consumption	50mA(MAX)	50mA(MAX)

Alarm	Open Collector:NPN/PNP(<400mA)
	Relay:1A/30Vdc,
	        0.3A/125Vac (NO or NC)
		Open Collector:NPN/PNP(<400mA)
		Relay:1A/30Vdc,
		        0.3A/125Vac (NO or NC)

Degree of protection	IP67	IP67
Connection	3A--1"	3A-1"
Operation pressure	100 bar (max.)	100 bar (max.)
LED Indication	Flow velocity below set point- Red LED on, Open Flow velocity equals set point- Yellow LED on, Close Flow velocity above set point- 4 Green LED to indicate flow speed, Close	
Warm-up Time	Appprox.15s	Appprox.15s

GPS Sanitary Thermal Probe

Sensor type PT100 Output: 4~20mA.
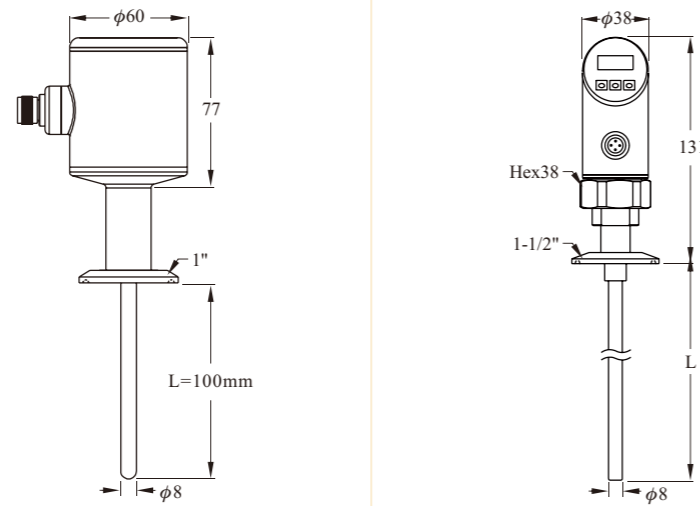Meet Europe EHEDG and U.S. 3-A sanitary standards.

APPLICATION:

- Oven, deep fryer and freezer
- Temperature measurement and control of water or oil
- Rapid cooling system
- Heat exchanger
- Monitor CIP/SIP system
- Temperature monitoring of milk tanks

SPECIFICATION:

Dimensions

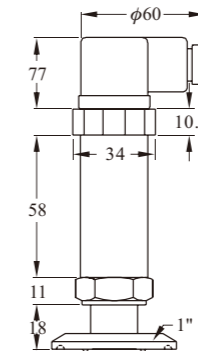| Model	GPSQA	GPSWA
Housing Material	SUS316	SUS316
Welded Parts	SUS316L	SUS316L
Roughness Average(um)	Ra<0.3 or Ra<0.5 or Ra< 0.8(um)	Ra<0.3 or Ra<0.5 or Ra< 0.8(um)
Measuring Rang	-50~400°C	-50~400°C
Temp. Sensor	PT100	PT100
Ambient Temp.	-20~60°C	-20~60°C
Operation Temp.	-50~400°C	-50~400°C
Tube Diameter	ϕ5, ϕ6, ϕ8, ϕ9.5, ϕ12.7, ϕ17.2, ϕ21.7	ϕ5, ϕ6, ϕ8, ϕ9.5, ϕ12.7, ϕ17.2, ϕ21.7
Isolation Resistance	>1000M ohm/500v	>1000M ohm/500v
Supply Voltage	18~32Vdc	18~32Vdc
Output Current	4~20mA	4~20mA
Accuracy	≤±0.5°C	≤±0.5°C
Degree of protection	IP65	IP65
Connection	3A--1", 1-1/2", 2"	3A--1", 1-1/2", 2"
Operation pressure	40Bar (Max.)	40Bar (Max.)

ECS Sanitary Pressure Level Transmitter

High accuracy of linearity (±0.3%FS).
2 wire: low consumption of power (4mA); Simple wiring
Temperature compensation inside, providing stability of long-time operation .
Operation Temperature: -10~150°C.
Supply voltage: 13~36Vdc.
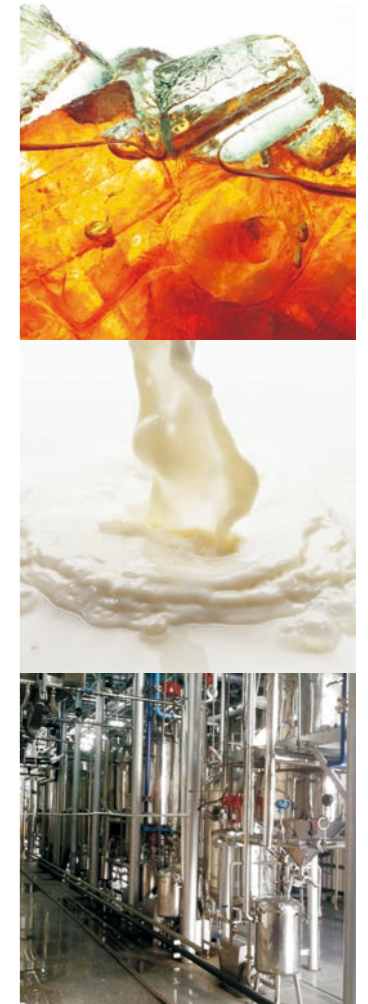Max pressure detection range: 50Bar.

APPLICATION:

- Pasteurization system back pressure
- Differential pressure
- Closed tank pressure
- Pipeline pressure

SPECIFICATION:

Dimensions

Model	ECS1500
Housing Material	SUS304
Welded Parts	SUS304 / 316
Roughness Average(um)	Ra<0.3 or Ra<0.5 or Ra< 0.8(um)
Measuring Range	0.1, 0.2, 0.5, 1, 2, 5,10, 20, 50, 100bar
Ambient Temp.	0~60°C
Operation Temp.	-10~150°C
Supply Voltage	13~36Vdc
Output Current	4~20mA
Accuracy	0.3%FS
Long term Stability	<0.1%
Connection	3A--1"
Weight	Appprox. 250g

Notes