

# **PRODUCTS GUIDE**

## Monitoring and Controlling Solutions For High-Tech (PCB / Semiconductor) Industries

FineTek is the Best Partner for Businesses in ESG Sustainability

























































Solid / Liquid Level Measurement for Field Application Temperature Controller/ Counter /Digital Panel Meter



## **Your BEST Partner**









FineTek, with more than 40 years of technology and experience, has been devoted to the research and development of measurement and control in the field of industrial sensors. Our R&D capabilities are recognized with the Innovative Research Award, and our production and management capabilities with the National Quality Award. International IEC standards and the US MIL are our standard reference guidelines, and we are ISO9001 certified.

The Company is known for its specialized R&D capabilities and rigid process management, providing outstanding products meeting the needs of different fields.

Climate change and infectious diseases have been a threat to human society and economic developments in recent years. Sustainable development has gained prominence worldwide. People hope to exist and prosper together with the environment and contribute to sustainability.

To accomplish this goal, ESG becomes an important performance indicator.

FineTek's outstanding quality and efficient sales service network have been well received and recognized by a vast customer base. Will you be our next quality service target? Please do! We are at your disposal.



### **ESG Sustainability as Corporate Belief**

Businesses promote ESG with the hope to conserve energy, be environmentally friendly, recreate technology and create a wonderful industrial environment. The Sustainable Development Committee was formed in 2021 and that year marked the beginning of FineTek Group's aim for ESG sustainability. Welcoming the brand-new outlook of the post-pandemic era, ESG is included in our corporate governance belief. Technology, humanity, nature, and action are the four core values that underline environmental protection, social responsibilities, and corporate governance. The Company learns from nature, stands by people and shares interest. The solid organizational culture and practice based on such beliefs of FineTek are like persevering cornerstones that support constant devotion to the development of automated control instruments and meters and the close collaborative relationships with industrial process equipment suppliers and the upstream and downstream of the industrial chain. This is why we can constantly work hard to explore new product technology fields reflective of the actual needs of customers.

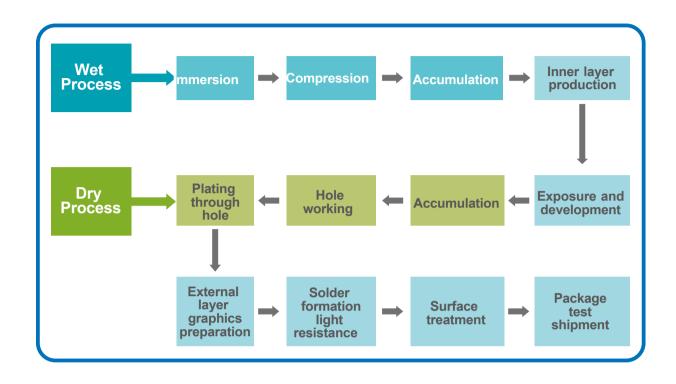








## PCB Easy Process Flowchart ▶ ▶ ▶



### Wet process equipment

By combining FineTek's sensors such as the float switch and the ECP1 display pressure meter, changes in the nozzle pipeline pressure can be monitored according to the cleaning history while the PCB of equipment and a device is being cleaned in order to enhance the cleaning efficacy and boost process flow control and analysis while at the same time minimizing the waste of water and detergent.

### **Dry Process Dust Collection Equipment**

The advanced dust density meter is used and linked to the diaphragm valve controller to create a clean and pollution-free environment and to fulfill the corporate goals of energy conservation, improved product performance and extended life span of equipment. The flow meter is applied to record the waste solution and the amount of water used, which has significantly contributed to the improved water recycling rate and water utilization efficiency of businesses and helped customers recycle chemicals from waste liquids, fulfilling the corporate belief in ESG sustainability.

### **PCB Wet Process Application**

### FCM Mini Float Level Switch

The use of reed switches does not require a power supply, and the contact life can withstand up to 12 million times. The product is available in plastic: PVDF, PP, PVC, and metal: SUS304, SUS316.

### Strengths:

The highest CP value and the least costly of all DES control instruments.

### **Specifications:**

1. Maximum voltage: 240Vac/ 200Vdc

2. Contact capacity: 20W/SPDT, 40W/SPDT, 50W/SPST

3. Maximum current: 1A

4. Plastic pressure tolerance: 1ATM~4kg/cm2

5. Working temperature: -20~120°C6. Applicable specific weight: 0.65~0.8



### **ECP** Pressure Guage

Using the principle of piezoresistive pressure, when the pressure changes, the output data is converted by an internal circuit. The product is installed in the PCB process equipment to display the pressure at each segment. Abnormal pressure, which can cause problems during the production process, is avoided.

#### Strengths:

Strengths: Monitors and analyzes the pressure inside the pipeline to improve the equipment's stability and efficacy, and reduces human errors with traceable quality control.

### Specifications:

1. Maximum voltage: 12~36Vdc

2. Working medium: liquid/light corrosive liquid/air

3. Accuracy: ± 1.5% F.S.

4. Output: 4 ~ 20mA, NPN/PNP

5. Working temperature: -10~60°C

6. Display unit: MPa, kPa, kgf/cm², bar, psi

7. Display method: Dual-color LED

8. NPN/PNP protective current: 180mA



### PCB Procedure Lamination/Coating Machine

### **SBX** Admittance Level Switch

The product is designed with high- and low-level failure protection, adjustable output delay and sensitivity adjustment action signal. There are many versions available applicable to high-temp, mixed or small places. It is not affected by materials attaching onto the vibrating rod.

### Strengths:

It can better detect viscous materials that coat the equipment to reduce cleaning. Anti-explosion types are available for selection.

### Specifications:

1. Voltage: DC24V; 115/230Vac±10%, 50/60Hz

2. Sensing rod materials: SUS 304/316

3. Insulating materials: PTFE

4. Minimum splicing: 3/4"PT

(additional splicing may be customized)

5. Working temperature: -40~150°C

6. Output contact: 5A/250Vac, DPDT

7. Overtime setting: 0~30 sec

8. Dissipated power: Max.2W



### SIS Intelligent Level Sensor for Pharmaceutical

Signals from the electric field are emitted from the sensor end through frequency sweep. Media of different properties give rise to spectra of different resonance characteristics and it is determined accordingly if the sensor is covered by materials and the on/off signal is output as such. The light and compact design makes it easy to carry and transport, and quick installation even in small or limited spaces. It is suitable for single-point level testing of liquids, viscous media, and powdery media in containers and pipelines, and protects idling pumps.

### Strengths:

The product can better detect viscous materials. The stainless-steel enclosure is strong and durable. There are 2 sets of NPN/PNP contact output.

#### **Specifications:**

1. Voltage: 18~36Vdc

2. Working temperature: -40~85°C

3. Housing materials: SUS 304, SUS 316, SUS 316L

4. Output Load current: Max.100mA

5. Operating pressure: -1~40bar

6. Probe material: PEEK



### PCB Procedure Electroplating (Waste Water Treatment)

### **EPD** Electromagnetic Flow Meter

It is applicable to a variety of conductive liquids and may also be used to measure mixed particulate liquids. There are no specific requirements for temperature, pressure density, and viscosity, and the fluids in the pipeline will not lose pressure. Product accuracy can reach 0.2%. The lining material is optional. The caliber diameter range is DN15~500.

### Strengths:

The EPD electromagnetic flowmeter can be used in a pH-value processing system, the discharge of sewage and wastewater, and the recycling of organic waste solution enables the monitoring and accumulation of the amount of water.

To meet the inspection requirements of the environmental protection authorities, it is required that the accumulated flow data can be downloaded for reference purposes.



- 1. Voltage: 24Vdc/ AC100 ~ 240V
- 2. Fluid temperature: -40~120°C
- 3. Electrode materials: stainless steel, Hastelloy alloy, titanium, tantalum
- 4. Lining materials: PTFE, NBR, Neoprene
- 5. Operating pressure: 16Kg/cm<sup>2</sup>
- 6. Accuracy: ± 0.5%, ± 0.3%, ± 0.2%
- 7. Output signal: 4~20mA, Frequency 2~8KHz
- 8. Communication interface: Rs485
- 9. Protection level: IP65 (Integrated type),

IP67 (Remote type)







### PCB Procedure Cutting/Forming (Dust Collection Equipment)

### **AEX6** Programmable Sequence Controller

In the dust collection equipment, the AE circuit board is used to turn on the air-inducing solenoid valve and control the diaphragm valve, which is blasted with a tube to collect dust. The dust collection system is used to collect dust and foreign matter in the air and to reduce air pollution.

### Strengths:

When combined with the dust density meter, it can save customers' electricity consumption by up to 75% (that is, NT\$5,500 of electricity expenditure/month), improve the dust removal effect by 39% and extend the equipment life span by 50% (that is, with NT\$20,000/month of expenditure on replacement of laid pipes). It can also reduce air pollution and air pollution penalty that will otherwise amount to several hundreds of thousands in NT dollars. The maximum number of points that may be added to the PCB is 620.



### Specifications:

1. Voltage: AC100~240V±10%, 50/60Hz

2. Power consumption: 3VA (excluding the output load)

3. Ambient temperature: -20~70°C 4. Pulse Jet time: 10ms~9900ms 5. Pulse Jet interval: 1~999 seconds 6. Shutdown cycle function: Yes 7. Remote control function: Yes 8. 4~20mA input (optional): Yes

9. Alarm output contact: SPST 3A 250Vac/24Vdc

10. Number of output points (optional): Mother board -10, 20 and

maximum expandable 620

11. External box (optional): 210x290x100, box ABS/cover PC.

### **Diaphragm Valve for Dust Collector**

The bag-type dust collector is used in cutting machines. The diaphragm valve's structure and design guide rapid air flow from the dust-collecting diaphragm valve to the expanding filtering cotton bag, and the attached dust is shaken off to avoid it dispersing into the atmosphere and causing air pollution.

#### Strengths:

With the sequence control board, the blasting duration and interval can be adjusted. The diaphragm valve's structural design results in fast response, a large flow rate, and optimal pipe dust-cleaning performance

#### Specifications:

1. Voltage: 24Vdc±10%, 110/220Vac, ±10% 50/60Hz

2. Operating temperature: -20~85°C

3. Diaphragm materials: NBR

4. Housing materials: Aluminum alloy/stainless steel

5. Applicable working fluid: Compressed air

6. Connection: 3/4", 1", 1-1/2", 2", 2-1/2", 3"



### PCB Procedure Cutting/Forming (Dust Collection Equipment)

### **BVR** Air Vibrator

With compressed air as the driving force, the precision roller shaft is driven to generate the back-swinging centrifugal force and achieve vibration. The vibrating force of the air vibrator reduces material friction and bridging and clogging of materials so that the process runs smoothly to fulfill the purpose of automatic production.

### Strengths:

The air vibrator is installed at the clogged area of the equipment so that the clogging materials may be shaken off; it is a cost-effective product to be applied to an automatic production process.



### **Specifications:**

	Frequency(VPM)			Force(N)			Air consumption(I/min)			
Model No.	2Bar 29PSI	4Bar 58PSI	6Bar 87PSI	2Bar 29PSI	4Bar 58PSI	6Bar 87PSI	2Bar 29PSI	4Bar 58PSI	6Bar 87PSI	Weight(g)
BVR10000-050	25000	35000	36000	1070	2920	4220	100	145	195	240
BVR10000-065	19000	21000	26000	2730	4830	6120	200	300	400	540
BVR10000-080	15500	18500	19000	3000	6090	7450	290	430	570	950
BVR10000-100	11000	14000	16000	3750	6750	8900	370	550	730	1800

#### **Dust Monitoring FSE**

Based on the principle of electrostatic induction measurement, when the dust (charged particles) comes into contact with the sensing rod, an electric charge is generated on the sensing probe; this is referred to as electrostatic induction. The induced charge is then amplified, analyzed, and processed through the sensing circuit.

### Strengths:

When applied to the flue of the dust-removing equipment, it enables continuous uninterrupted measurements and avoids dispersion of dust in the air due to ruptured cloth tubes, effectively monitoring dust and providing early warning of leaks.

### Specifications:

1. Voltage: 100~240VAC; 50-60Hz or 24Vdc±20%

2. Power consumption: Max. 10W

3. Dust concentration measurement range: 0.1mg/m³ ~ 1000 mg/ m³

4. Output: 2 sets of SPDT relay output, 4-20mA

5. Communication: Rs485

6. Process temperature: Max. 250°C

7. Process pressure: Max. 6 bar

8. Connection: 1/2" NPT 9. Protection level: IP67

10. Sensing rod material: SUS316 11. Insulating material: PEEK



### PCB Procedure Cutting/Forming (Dust Collection Equipment)

### **Rotary Paddle Switch**

It is connected to the clutch through the transmission shaft. When not in contact with materials, the motor runs normally. When the blade comes into contact with materials and causes resistance, the motor will stop rotating. At the same time, a contact signal is released to measure the material level.

### Strengths:

When the dust in the dust-collecting barrel accumulates to a certain level, the rotating paddle switch serves as an alert to notify the need for recovery or discharge.

### Specifications:

1. Voltage: 110Vac/220Vac/240Vac/24Vac

50/60Hz: 24Vdc

2. Power consumption: 3W

3. Contact capacity: SPDT 5A/250Vac

4. Blade rotation speed: 1 R.P.M.

5. Impact-tolerance voltage: 2500V

6. Connection method: Thread 1"PF/Flange 2-1/2 - x5kg2"x5kg/cm2

7. Protection/junction box material: IP65/Aluminum alloy coating

8. Applicable density: 0.3~0.5g/cm<sup>3</sup>



### SAX Capacitance Level Switch

The capacitance between the sensing rod and the barrel wall is detected with the sensing rod. When the sensing rod is covered by the material, the capacitance increases. Once it reaches the value set by the internal circuit of the switch, the circuit will produce high-frequency resonance, which, in turn, will activate the on/off action.

#### Strengths:

When the dust in the dust-collecting barrel accumulates to a certain level, the capacitance level switch serves as an alert to notify the need for recovery or discharge.

#### Specifications:

1. Voltage: 110/220Vac ±10% or 100~240Vac or19~24Vdc

2. Power consumption: 2W

3. Contact capacity: Relay SPDT 5A/250Vac/30Vdc, NPN Transistor output

4. Operating temperature: Max.200°C

5. Operating pressure: 20 kg/cm<sup>2</sup>

Sensing rod materials: SUS304/316

7. Connection specification: 1"PT Thread

8. Sensitivity range: 10pF (knob)

9. Junction box protection/materials: IP65/Aluminum alloy coating



### **PRODUCT APPLICATION**



For the dust collection equipment, refer to the figure below for overall planning. The sequence controller is used to control backflow to the dust collection bag pipe through the diaphragm valve, therefore extending its service life. The dust density meter can detect the concentration of dust in the chimney. Its signal can also be connected to the sequence controller. When the output signal is higher than the set value, it means that the dust bag is overfilled. The jet interval will then be shortened automatically for enhanced bag-cleaning efficiency. In addition, installing an air knocker or vibrator at the inclined trough of the dust collection system prevents materials from piling up. Installing a rotating paddle switch or a capacitance level switch will serve as a control sensor to alert high/low materials levels in the dust collection barrel.



## **Peripheral Systems** of Semiconductor Processes

The semiconductor industry emits a lot of carbon dioxide and consumes a lot of water resources during the production process. With the rapid development of the semiconductor industry, the carbon footprint is becoming increasingly obvious. Hazardous waste is also constantly being produced. Therefore, more attention is now given to the declaration and implementation of ESG-related aspects in factories. FineTek adopts the spirit of enterprise to develop and combine automated sensors and industrial equipment to improve efficiency. More importantly, greenhouse carbon emissions are reduced, and water resources are utilized efficiently including the maximized use of recycled water.



Pipe flow and barrel/tank level monitoring



Paddle Wheel Flow Meter

Guided Wave Radar Level Transmitter

**Chemical Equipment** 

High/low level monitoring





Magnetostrictive Level Transmitter

By-Pass Level Transmitter

**Air Pollution System** 

Air discharge monitoring





**Water Treatment System** 

Waste water discharge monitoring







Cable Float Level Switch

Thermal Dispersion Flow Switch

**Air-conditioning Cooling System** Pipe flow monitoring





### **Ultra-purified Water Equipment**

### JTR3 Guided Wave Radar Level Transmitter

The high-frequency pulse wave is emitted towards the steel rod. When it reaches the test piece, the different dielectric coefficients of air and the material will trigger the reflection pulse wave. Part of the energy will be reflected. With the time difference between this reflected wave and the emitted wave, the distance from the surface of the test piece to the guided wave radar level Transmitter is obtained.

### Strengths:

Taking advantage of the product features, it helps fulfill the different requirements for the measurement of temperature, pressure and medium. The contact-based measurement overcomes impacts from steam, foam and stirring. The two-wire 4 ~20 mA features simplicity and minimum power consumption. The unique algorithm and reflection echo processing technology can cope with various complex conditions.

### Specifications:

- 1. Minimum dielectric coefficient: 2.0
- 2. Measurement range: 6m
- 3. Accuracy: ± 5mm or ± 0.1% F.S., whichever is greater
- 4. Process temperature: -40~150°C
- 5. Operating pressure: 60bar
- 6. Power: 16~30Vdc Loop Power, 16~30Vdc 4-Wire
- 7. Analog output: 4~20mA
- 8. Digital communication: HART 7.0 for 2-Wire, RS485(Modbus) for 4-Wire
- 9. Protection: IP67
- 10. Anti-combustion: Ex ia IIC T2~T6 Ga

### **Paddle Wheel Flow Meter**

Flowing liquid push the paddle wheel so that it turns and the rotation speed and caliber are obtained to generate the flow. It is light, compact and portable and can be easily installed and operated. It is applicable to the measurement of the flows of liquids that do not contain particles and are not sticky (with no restrictions over conductivity and dielectric strength). It can also be used in corrosive liquids. The measurement range is 0.3~10m/s (flow rate).

#### Strengths:

It is applicable to liquids (purified water and ultra-purified water) with a conductivity of less than 5 uS/cm and particularly to acid or alkaline solutions, with a high price-performance ratio; no downtime is required to save time spent on maintenance.

#### Specifications:

- 1. Type: Smart one-piece/flow transmitter/purely pulse wave
- 2. Suitable diameter: DN15, DN20, DN25, DN40, DN50
- 3. Flow rate range: 0.3~10 m/s
- 4. Accuracy: ± 3% at standard K-value
- 5. Operating temperature: blade PP:-15~60°C; blade PVDF:-15~100°C
- 6. Protection: IP66; it is required to link the adapter and be fastened
- 7. Analog output: 4~20mA
- 8. Power voltage: 12~36Vdc±10%
- 9. Communication interface: RS485 Modbus





### **Chemical Equipment**

### **EFX** By-Pass Lever Transmitter

The By-Pass level transmitter is installed onto the extension pipe outside the barrel/tank. The level inside the barrel/tank is readily visible through the turnover indicator. A magnetic switch may also be installed outside the shunt valve; it will be the electrical contact. Or the level transmitter may be installed for distant level transmission and level control.

### Strengths:

It is often applied to the drug barrel in a dosing process or a liquid tank containing fewer foreign matters, that is, barrels/tanks with field indication demand and containing liquids of specific chemical properties. The length can be completely tailored reflective of customer demand (6 meters at maximum).

### Specifications:

- 1. Wetted material: PP/PVDF 2. Color film resolution: 10mm
- 3. Temperature tolerance: Max.120°C (PVDF)
- 4. Float specific weight: 0.63~0.83 (versus water)
- 5. Pressure tolerance of main part: 5kg/cm<sup>2</sup> (plastic)
- 6. Protection: IP67
- 7. Proximity switch: Type of contact: SPST, SPDT Contact capacity: 1A/30W/200Vdc/240Vac
- 8. Level transmitter: Resolution: 6.35mm/0.1mm Type of output: 4~20 mA/3-line resistance output

#### **Magnetic Float Level Transmitter** FGX

The magnet inside the floater changes with the level and the voltage divider circuit formed by the resistance inside the connecting bar and the reed switch is changed accordingly. The smaller the gap of the reed switch, the higher the precision. The voltage divider signal can be converted to 4~20mA through the converter.

### Strengths:

It is used for continuous level monitoring in small-to-medium-sized process barrels. Plastics (PP/PVDF) is resistant to acidity and alkalinity; the low-power-consumption Loop Power signaling technology is applied.

#### Specifications:

- 1. Wetted material: PP/PVDF
- 2. Power: 12~36Vdc
- 3. Temperature tolerance: Max.120°C (PVDF)
- 4. Float specific weight: 0.63~0.75 (versus water)
- 5. Pressure tolerance of main part: 5kg/cm² (plastic)
- 6. Protection level: IP65
- 7. Anti-combustion: ATEX 2G Exd IIB T6~T3 Gb





#### **Magnetostrictive Lever Transmitter EGX**

The magnetostrictive level transmitter utilizing the principle of magnetostriction. The output signal is an absolute position, so there is no need to re-adjust the zero position even if the power supply is interrupted and reconnected. The magnetostrictive level transmitter is with direct output, so it is not required for an extra output interface, which can reduce the circuit cost overall.

The output is accurate and reliable in application, which can shorten the maintenance period when during production downtime.

As the sensors are durable and with long lifetime, it is not required for regular maintenance or calibration. Therefore, it can save costs on maintenance and inventory of plenty of spare parts.

It also features that one or multiple magnetostrictive level transmitters (by RS-485) can be connected and remote monitoring by the PC.

### Strengths:

EGX magnetostrictive level transmitter utilizing the working principle of detecting a strain pulse signal generated by the impact from two magnetic fields, so the product itself has the characteristics of high precision, absolute position output and high response speed.

The product is suitable to the liquid level measurement of various semiconductor equipment. It can make the consumption control of the equipment more precise, and thus save the cost effectively for enterprise.

#### Specifications:

- 1. Accuracy 0.1mm to 0.1%F.S. (depending on measuring range).
- 2. The maximum pressure is 30bar.
- 3. The maximum operating temperature is 195°C.
- 4. It is available to detect interface between two liquids, such as oil-water.
- 5. EG36/EG37 series, explosion-proof type, suitable for applications with explosion-proof requirements.
- 6. The IP rating for whole series of enclosures is IP67/IP69K.
- 7. Supporting: HART/ RS485 communication interface/ 4~20mA/ voltage output.
- 8. Options of two-wire or four-wire output are available.



### JFR4 FMCW Radar Wave Level Gauge

The JFR4 radar wave level meter is a smart, non-contact liquid level-measuring instrument that uses 80GHz high-frequency. The antenna is further enhanced for optimal processing.

The new, fast microprocessor can perform signal analysis and processing at a faster rate, ideal for liquid storage tanks. Provides RS-485 digital signals and emits 4~20mA analog signals, which can be easily connected to back-end extension applications.

### Strengths:

Contactless measurement is adopted. It is easy and convenient to install and maintain and applicable to the level measurement in most barrel/tank settings. It can be used in corrosive media. The high precision and reliable stability contribute to its extensive application to level detection in industrial sectors.

### **Specifications:**

1. Power: 24Vdc

2. Power consumption: Max.0.54W 3. Operating temp. range: -40~80°C

4. Accuracy: ±2mm

5. Operating pressure: 0~3bar 6. Protection level: IP67

7. Analog output: 4~20mA 8. Connection: G1-1/2"A 9. Measurement range: 35m 10. Frequency: 80GHz

11. Sensor materials: PVDF



### Air-conditioning/Iced Water System

### **Thermal Dispersion Flow Switch**

There are two temperature sensors inside the flow sensing rod. One needs to be heated and hence temperature differences exist between the two sensors. Such temperature differences are proportional to the flows. Therefore, with the flow rate inside the pipe slowing down, it is possible to detect the temperature difference, which will then be converted to the on/off signal.

### Strengths:

better sensitivity and no restrictions over where it may be installed. The length of the flow sensing rod can be designed and produced reflective of the pipe diameter in the field. In other words, it is applicable to all pipes, regardless of the diameter.

### **Specifications:**

- 1. Measurement range (flow rate): Water: 1~ 150cm/s
- 2. Alarm activation point range: Flow rate ≤ 50cm/s@25°C. water
- 3. Medium temperature: -20~80°C.
- 4. Alarm output: Open collector: NPN/PNP (< 400mA)

Relay: 1A/30Vdc, 0.3A/125Vac (NO or NC)

5. Working pressure: Max.100bar

6. Protection level: IP67

7. Wetted material: SUS304/316/316L

8. Connection specification: G1/2", G1/4", NPT1/2"

9. Power consumption: 50mA (Max.) 10. Outlet method: Socket, M12-4Pin

11. Warm-up time: 15 seconds 12. Working voltage: 19~30Vdc



### **Sewage Treatment System**

### **EAX4** Ultrasonic Level Transmitter

The ultrasonic level transmitter is a non-contact, low-cost and easy-to-install measuring device. It can be applied to most industrial applications for liquids. Most important aspect of is that it is easy-to-install and low maintenance due to no moving parts.

### Strengths:

For the level monitoring of barrel/tank and various open water carriers, contactless measurement is adopted, with a precision up to 1mm and the measurable level is up to 8m. The angle required for emitting the sound wave is only 5°. Installation is convenient.

### **Specifications:**

1. Sensor materials: PVDF

2. Power: 24Vdc

3. Process temperature: -40~80°C.

4. Accuracy: ± 0.25%

5. Process pressure: <0.1MPa

6. Protection: IP67

7. Analog output: 4~20mA

8. Connection specification: G 2"

9. Measurement range: Max.8m

10. Frequency: 50kHz



#### FAB Cable Float Level Switch

With the weight in the center, the angle changes as the water level rises or lowers. When the water level is at a specific angle to the rising or lowering angle, the steel ball or the mercury rises or lowers with the angle, and the ON or OFF contact signal is released to accomplish level detection.

#### Strengths:

It is applicable to level control of prime water, wastewater, unknown liquids, and ground reservoirs. PVC, PP, and stainless-steel ones are available. The contact capacity can reach 10A/250Vac. It can drive the equipment directly. The multi-point level control can be done, too. The product is offered at a preferred price.

#### **Specifications:**

1. Wetted material: PVC/PP

2. Wetted temperature: 60°C/80°C

3. Contact type: SPST-NO/SPST-NC/SPDT

4. Contact capacity: 10A/250Vac or 15A/250Vac

1A/230Vac; 3a/125/250Vac

5. Moving angle: 28°± 2°;18°± 4°;10°± 2°;

6. Pressure tolerance: 2kg/cm<sup>2</sup>

7. Insulated pressure tolerance: 600Vac/300Vdc

8. Insulated impedance: >100M $\Omega$ 



### **PRODUCT FACTS**







Dust collector air knocker vibrates and feeds out



Wet process equipment



Cooling water reserve detection of electronic plants



Pipeline flow detection



Wastewater level detection



Wastewater flow detection



Dust collection machine uses the diaphragm valve to remove the cloth bag

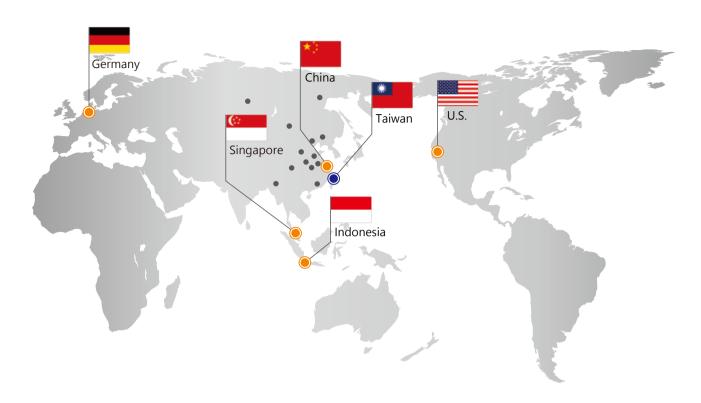


Ultrasound level measurement



Dust collection machine dust density detection

## Global Network



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