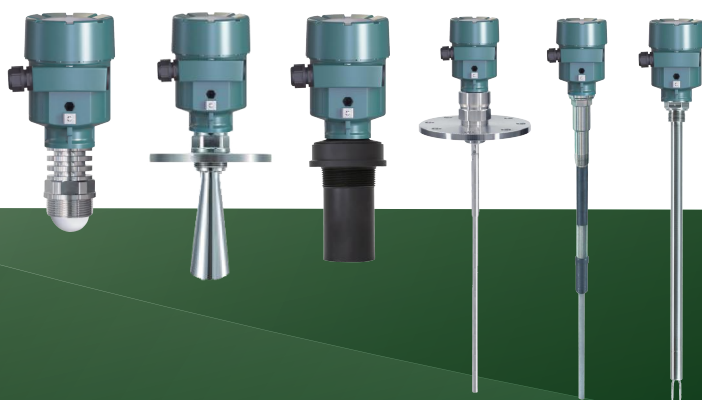




**PRECISION[®]
WAVE**



Level Transmitter

(Radar/Ultrasonic/RF/CAP/Tuning Fork)



www.pwmeter.com



WhatsApp

Beijing Precision Wave Instrument Co.,Ltd.

Company Profile

Beijing Precision Wave Instrument Co., Ltd. (hereinafter referred to as PWBJ) established in 2005, is located in Yongfeng High-tech Industrial Base, Haidian District, Beijing. It is a high-tech enterprise integrating scientific research, design, production, sales and system integration. With a high-quality team, professional level in the field of industrial control automation and mature advanced technology, PWBJ has grown rapidly and emerged in the field of industrial process control. Relying on science and technology for development and continuously providing users with satisfactory high-tech products is our unchanging pursuit.

The products independently developed and produced by the company include: 120GHz smart radar level transmitter, 80GHz smart radar level transmitter, 26GHz smart radar level transmitter, guided wave radar level transmitter, ultrasonic level transmitter, ultrasonic open channel flow meter, RF admittance level switch, capacitive level switches and tuning fork level switches, etc., are widely used in many fields such as petroleum, chemical industry, metallurgy, steel, water supply, pharmaceuticals, food, coal, electricity, cement, municipal sewage treatment, etc.:



- ▶ Used to measure the height of various oil levels: tank level measurement in gas stations, oil refineries, lubricating oil plants, oil fields, etc. Measuring media: diesel, gasoline, crude oil, liquefied petroleum gas, heavy oil, asphalt, etc..
- ▶ Used for measuring the liquid level height of chemical raw materials. Measuring medium: alcohol, alkane, hydrocarbon, liquefied gas, acid and the mixture of these raw materials, etc. .
- ▶ Used for level measurement of various powder materials in cement plant. The measuring medium is: cement powder, lime powder, limestone slurry, etc. .
- ▶ Used for measuring the level of various bulk materials in electric power industry. Measuring medium: coal powder, raw coal, stone, etc. .
- ▶ Used for material level and liquid level measurement in food hygiene : grain depots, biopharmaceuticals, milk factories, paper mills, etc.Measuring media: melon seeds, soybeans, corn, starch, milk, edible oil, pulp.
- ▶ Used to measure the height of sewage water level: various water treatment industries (such as: various chemical plants, paper mills and other waste water treatment).

Company Overview



R & D Center



Product Debugging



Assembly Area



Mechinery Manufacturing

Tel: +86-400-882-0708



Qualification Certificate



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120GHz Smart Radar Level Transmitter

Model	PWRD21	PWRD23
Product		
Features	Threaded integrated lens antenna, Bluetooth function, simple installation and high precision	Lens antenna, with purge port, universal flange, Bluetooth function, small beam angle, high gain.
Application	General liquid storage tank liquid level measurement in chemical industry, smelting and other industries.	Solid material level height measurement in storage tanks in cement, steel, electric power, coal, building materials and other industries.
Range	20m/85m/120m	20m/85m/120m
Accuracy	±1mm	±1mm
Process temperature	-40~120°C	-40~120°C
Process connection	Thread	Thread/Universal flange
Process pressure	-0.1~2.0Mpa	normal pressure
Frequency	120GHz	120GHz
Signal output	4~20mA/HART 24V DC 2/4-wire system; 4~20mA/HART 220V AC 4-wire system; RS485/Modbus 6~30V DC	4~20mA/HART 24V DC 2/4-wire system; 4~20mA/HART 220V AC 4-wire system; RS485/Modbus 6~30V DC
Bluetooth version	V5.2	V5.2
Explosion proof grade	Ex ia IIC T6 Ga Ex db IIC T6 Gb	Ex ia IIC T6 Ga Ex db IIC T6 Gb
Protection rating	IP68	IP68

80GHz Smart Radar Level Transmitter

PWRD81



PWRD81

Application: General liquid storage tank liquid level measurement in chemical industry, smelting and other industries.

Range: 10m/20m/35m/85m/120m

Accuracy: $\pm 1\text{mm}$

Process connection: Thread/flange

Process temperature: $-40\sim 300\text{ }^{\circ}\text{C}$

Process pressure: $-0.1\sim 4.0\text{Mpa}$

Frequency: 80GHz

Signal output: 4~20mA/HART 24V DC 2/4-wire system;
4~20mA/HART 220V AC 4-wire system;
RS485/Modbus 6~30V DC

Bluetooth version: V5.2

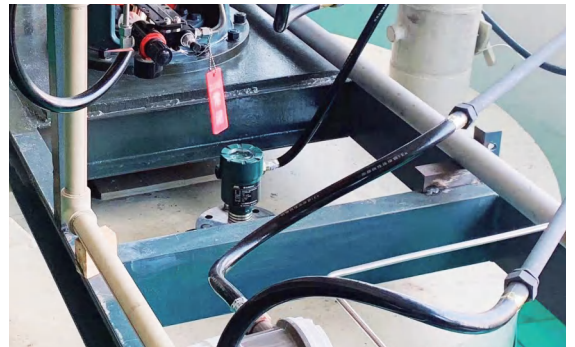
Explosion proof grade: Ex ia IIC T6 Ga
Ex db IIC T6 Gb

Protection rating: IP68

Process: Sedimentation tank



Medium: Reactor liquid



PWRD82



PWRD82

Application: Liquid level height measurement in storage tanks of various liquids (such as hydrochloric acid, nitric acid, sulfuric acid, alkali, etc.) in chemical, smelting, food processing and other industries.

Range: 10m/20m/35m/85m/120m

Accuracy: $\pm 1\text{mm}$

Process connection: Composite flange

Process temperature: $-40\sim 200\text{ }^{\circ}\text{C}$

Process pressure: $-0.1\sim 4.0\text{Mpa}$

Frequency: 80GHz

Signal output: 4~20mA/HART 24V DC 2/4-wire system;
4~20mA/HART 220V AC 4-wire system;
RS485/Modbus 6~30V DC

Bluetooth version: V5.2

Explosion proof grade: Ex ia IIC T6 Ga
Ex db IIC T6 Gb

Protection rating: IP68

Medium: chlorosilane



80GHz Smart Radar Level Transmitter

PWRD83



PWRD83

Application: Solid material level measurement of storage tanks in cement, steel, electric power, coal, building materials and other industries.

Range: 10m/20m/35m/85m/120m

Accuracy: $\pm 1\text{mm}$

Process connection: Universal flange

Process temperature: $-40\sim 250\text{ }^{\circ}\text{C}$

Process pressure: Atmospheric pressure

Frequency: 80GHz

Signal output: 4~20mA/HART 24V DC 2/4-wire system;

4~20mA/HART 220V AC 4-wire system;

RS485/Modbus 6~30V DC

Bluetooth version: V5.2

Explosion proof grade: Ex ia IIC T6 Ga

Ex db IIC T6 Gb

Protection rating: IP68

Medium: cement



PWRD84



PWRD84

Application: Liquid level height measurement of liquid storage tanks in petroleum, chemical, smelting, etc; material level height measurement of solid storage tanks in steel, electric power, coal, building materials, etc.

Range: 10m/20m/35m/85m/120m

Accuracy: $\pm 1\text{mm}$

Process connection: Thread/Flange

Process temperature: $-40\sim 450\text{ }^{\circ}\text{C}$

Process pressure: $-0.1\sim 4.0\text{Mpa}$

Frequency: 80GHz

Signal output: 4~20mA/HART 24V DC 2/4-wire system;

4~20mA/HART 220V AC 4-wire system;

RS485/Modbus 6~30V DC

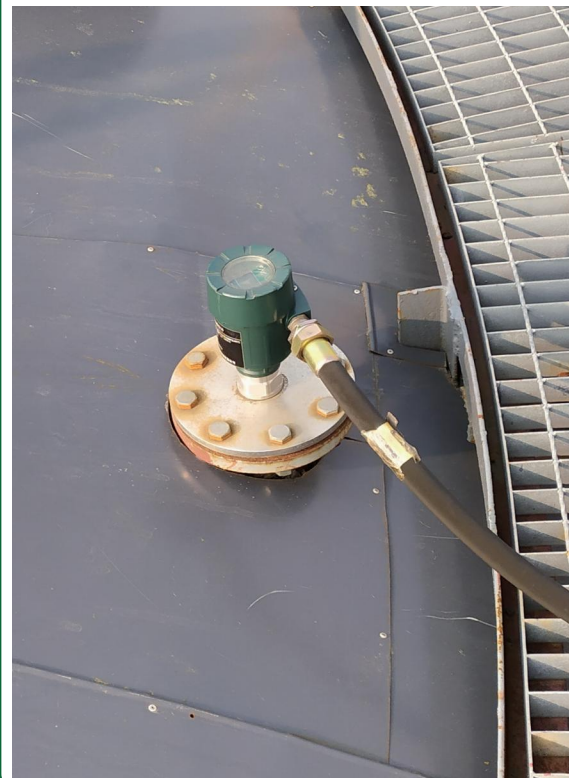
Bluetooth version: V5.2

Explosion proof grade: Ex ia IIC T6 Ga

Ex db IIC T6 Gb

Protection rating: IP68

Medium: tar



80GHz Smart Radar Level Transmitter

PWRD85



PWRD85

Application: Suitable for general working conditions, such as liquid level measurement in the water industry.

Range: 10m/20m/35m/85m/120m

Accuracy: $\pm 2\text{mm}$

Process connection: Thread/Flange

Process temperature: $-40\sim 80\text{ }^{\circ}\text{C}$

Process pressure: $-0.1\sim 0.3\text{Mpa}$

Frequency: 80GHz

Signal output: 4~20mA/24V DC/HART 2-wire system;

RS485/Modbus 6~30V DC

Bluetooth version: V5.2

Explosion proof grade: Ex ia IIC T6 Ga

Protection rating: IP67

Medium: Sewage



PWRD86



PWRD86

Application: Suitable for general working conditions, such as liquid level measurement in the water industry.

Range: 10m/20m/35m

Accuracy: $\pm 2\text{mm}$

Process connection: M66*2

Process temperature: $-40\sim 80\text{ }^{\circ}\text{C}$

Process pressure: $-0.1\sim 0.3\text{Mpa}$

Frequency: 80GHz

Signal output: 4~20mA/24V DC/HART 2-wire system;

RS485/Modbus 6~30V DC

Bluetooth function: V5.2

Explosion proof grade: Ex ia IIC T6 Ga

Protection rating: IP68



80GHz Smart Radar Level Transmitter

PWRD86A



PWRD86A
(ABS)

Application: suitable for general working conditions, such as:
liquid level measurement in the water industry.

Range: 10m/20m/35m

Accuracy: $\pm 2\text{mm}$

Process connection: G1"A+G1½"A

Process temperature: -40~80 °C

Process pressure: -0.1~0.3Mpa

Frequency: 80GHz

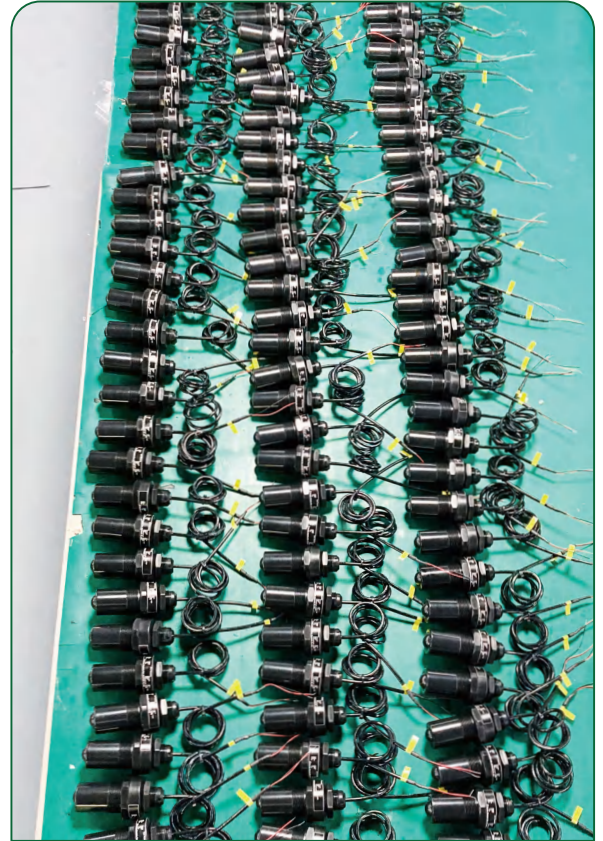
Shell material: ABS

Signal output: 4~20mA/24V DC/HART 2-wire system;
RS485/Modbus 6~30V DC

Bluetooth version: V5.2

Explosion proof grade: Ex ia IIC T6 Ga

Protection rating: IP68



PWRD86A



PWRD86A
(Aluminium)

Application: suitable for general working conditions, such as:
liquid level measurement in the water industry.

Range: 10m/20m/35m

Accuracy: $\pm 2\text{mm}$

Process connection: G1½"A

Process temperature: -40~80 °C

Process pressure: -0.1~0.3Mpa

Frequency: 80GHz

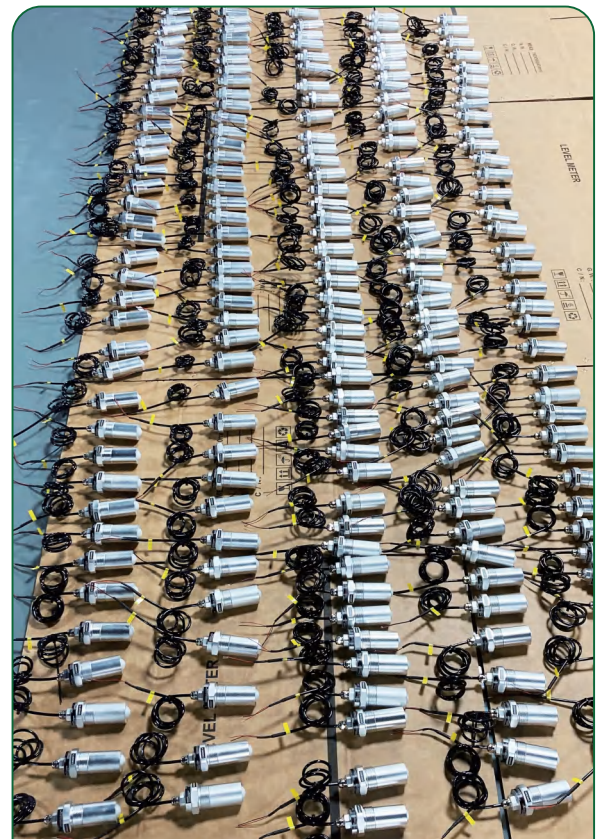
Shell material: Aluminium

Signal output: 4~20mA/24V DC/HART 2-wire system;
RS485/Modbus 6~30V DC

Bluetooth version: V5.2

Explosion proof grade: Ex ia IIC T6 Ga

Protection rating: IP68



26GHz Smart Radar Level Transmitter

PWRD91



PWRD91

Application: Liquid level measurement of various corrosive liquids (such as hydrochloric acid, nitric acid, sulfuric acid, alkali, etc.) in storage tanks in chemical, smelting, food processing, sewage and other industries.

Range: 20m

Accuracy: $\pm 3\text{mm}$

Process connection: Thread/Flange

Process temperature: $-40\sim 120\text{ }^{\circ}\text{C}$

Process pressure: $-0.1\sim 0.3\text{Mpa}$

Frequency: 26GHz

Signal output: 4~20mA/HART 24V DC 2/4-wire system;
4~20mA/HART 220V AC 4-wire system;
RS485/Modbus 6~26V DC

Explosion proof grade: Ex ia IIC T6 Ga

Ex db IIC T6 Gb

Protection rating: IP68

PWRD92



PWRD92

Application: Liquid level measurement in liquid storage tanks in petroleum, chemical, smelting, water and other industries.

Range: 30m

Accuracy: $\pm 2\text{mm}$

Process connection: Thread/Flange

Process temperature: $-60\sim 250\text{ }^{\circ}\text{C}$

Process pressure: $-0.1\sim 4.0\text{Mpa}$

Measuring frequency: 26GHz

Signal output: 4~20mA/HART 24V DC 2/4-wire system;
4~20mA/HART 220V AC 4-wire system;
RS485/Modbus 6~26V DC

Explosion proof grade: Ex ia IIC T6 Ga

Ex db IIC T6 Gb

Protection rating: IP68



Medium: Chlorosulfonic acid



Medium: Glycerin



Medium: Light Oil



Medium: Settling tank level

PWRD93



PWRD93

Application: Material level measurement of solid storage tanks in cement, steel, electric power, coal, building materials and other industries (For example: powder, block material, granular material).

Range: 70m

Accuracy: $\pm 15\text{mm}$

Process connection: Universal Flange

Process temperature: $-60\sim 250\text{ }^{\circ}\text{C}$

Process pressure: Atmospheric pressure

Frequency: 26GHz

Signal output: 4~20mA/HART 24V DC 2/4-wire system;
4~20mA/HART 220V AC 4-wire system;
RS485/Modbus 6~26V DC

Explosion proof grade: Ex ia IIC T6 Ga

Ex db IIC T6 Gb

Protection rating: IP68

Medium: Industrial raw materials



Medium: Cement powder



Guided Wave Radar Level Transmitter

PWRD31



PWRD31

Application: Level measurement of liquid storage tanks and solid powder silos.

Range: 30m

Accuracy: $\pm 3\text{mm}$

Process connection: Thread/Flange

Process temperature: $-40\sim 300\text{ }^{\circ}\text{C}$

Process pressure: $-0.1\sim 4.0\text{Mpa}$

Frequency: $100\text{MHz}\sim 1.8\text{GHz}$

Signal output: $4\sim 20\text{mA}/\text{HART } 24\text{V DC}$ 2/4-wire system;
 $4\sim 20\text{mA}/\text{HART } 220\text{V AC}$ 4-wire system;
 RS485/Modbus $6\sim 26\text{V DC}$

Bluetooth version: V5.2

Explosion proof grade: Ex ia IIC T6 Ga
 Ex db IIC T6 Gb

Protection rating: IP68

Medium: Diesel fuel



Medium: Tar



PWRD32



PWRD32

Application: Level measurement in liquid storage tanks.

Range: 6m

Accuracy: $\pm 3\text{mm}$

Process connection: Thread/Flange

Process temperature: $-40\sim 300\text{ }^{\circ}\text{C}$

Process pressure: $-0.1\sim 4.0\text{Mpa}$

Frequency: $100\text{MHz}\sim 1.8\text{GHz}$

Signal output: $4\sim 20\text{mA}/\text{HART } 24\text{V DC}$ 2-wire /4-wire system;
 $4\sim 20\text{mA}/\text{HART } 220\text{V AC}$ 4-wire system;
 RS485/Modbus $6\sim 26\text{V DC}$

Bluetooth version: V5.2

Explosion proof grade: Ex ia IIC T6 Ga
 Ex db IIC T6 Gb

Protection rating: IP68

Medium: Methanol



Medium: Industrial solvent



Guided Wave Radar Level Transmitter

PWRD33



PWRD33

Application: No blind area measurement, pole type, cable type, coaxial tube type are optional.

Range: 3m

Accuracy: $\pm 1\text{mm}$

Process connection: Thread/Flange

Process temperature: $-40\sim 120\text{ }^{\circ}\text{C}$

Process pressure: $-0.1\sim 4.0\text{Mpa}$

Frequency: $100\text{MHz}\sim 1.8\text{GHz}$

Signal output: $4\sim 20\text{mA}/\text{HART } 24\text{V DC}$ 2/4-wire system;
 $4\sim 20\text{mA}/\text{HART } 220\text{V AC}$ 4-wire system;
RS485/Modbus $6\sim 26\text{V DC}$

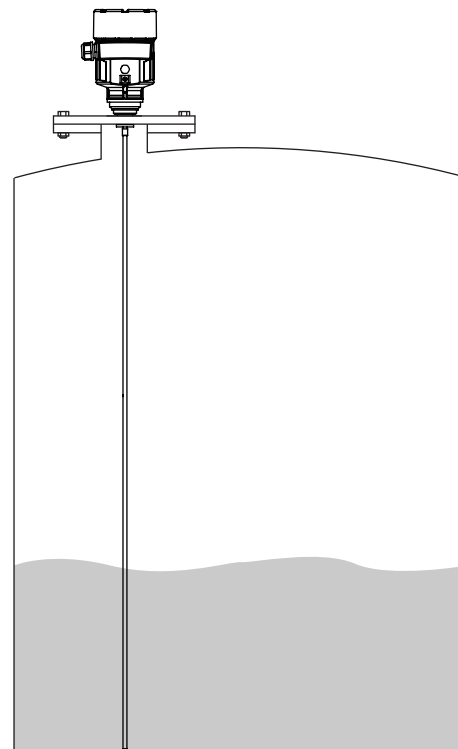
Bluetooth version: V5.2

Explosion proof grade: Ex ia IIC T6 Ga

Ex db IIC T6 Gb

Protection rating: IP68

Installation diagram



PWRD34



PWRD34

Application: Liquid level measurement of high temperature and high pressure liquid storage tank

Range: 6m

Accuracy: $\pm 3\text{mm}$

Process connection: Thread/Flange

Process temperature: $-200\sim 400\text{ }^{\circ}\text{C}$

Process pressure: $-0.1\sim 40\text{Mpa}$

Frequency: $100\text{MHz}\sim 1.8\text{GHz}$

Signal output: $4\sim 20\text{mA}/\text{HART } 24\text{V DC}$ 2/4-wire system;
 $4\sim 20\text{mA}/\text{HART } 220\text{V AC}$ 4-wire system;
RS485/Modbus $6\sim 26\text{V DC}$

Bluetooth version: V5.2

Explosion proof grade: Ex ia IIC T6 Ga

Ex db IIC T6 Gb

Protection rating: IP68

Medium: Water in high temperature and high pressure tank



Guided Wave Radar Level Transmitter

PWRD35



PWRD35

Application: Level measurement of corrosive liquid storage.

Range: 6m

Accuracy: $\pm 3\text{mm}$

Process connection: Flange

Process temperature: $-40\sim 200^{\circ}\text{C}$

Process pressure: $-0.1\sim 2.0\text{Mpa}$

Frequency: $100\text{MHz}\sim 1.8\text{GHz}$

Signal output: $4\sim 20\text{mA}/\text{HART } 24\text{V DC}$ 2/4-wire system;

$4\sim 20\text{mA}/\text{HART } 220\text{V AC}$ 4-wire system;

RS485/Modbus $6\sim 26\text{V DC}$

Bluetooth version: V5.2

Explosion proof grade: Ex ia IIC T6 Ga

Ex db IIC T6 Gb

Protection rating: IP68

Medium: Methyl ester



Medium: Hydrochloric acid



PWRD36



PWRD36

Application: Liquid level measurement of storage tanks with low dielectric constant or fluctuating liquids and complex structures.

Range: 6m

Accuracy: $\pm 3\text{mm}$

Process connection: Thread/Flange

Process temperature: $-40\sim 300^{\circ}\text{C}$

Process pressure: $-0.1\sim 4.0\text{Mpa}$

Frequency: $100\text{MHz}\sim 1.8\text{GHz}$

Signal output: $4\sim 20\text{mA}/\text{HART } 24\text{V DC}$ 2/4-wire system;

$4\sim 20\text{mA}/\text{HART } 220\text{V AC}$ 4-wire system;

RS485/Modbus $6\sim 26\text{V DC}$

Bluetooth version: V5.2

Explosion proof grade: Ex ia IIC T6 Ga

Ex db IIC T6 Gb

Protection rating: IP68

Medium: Toluene



Medium: Organic solvents



Ultrasonic Level Transmitter

Model	PWCS71	PWCS72	PWCS73	PWCS74
Product				
Application	Liquid level measurement and solid particle measurement in various industrial fields, especially in the water treatment industry.			
Measuring range	Standard sensor Liquid:0.25~5m solid:0.25~2m Anti-corrosion sealed sensor liquid:0.25~4m solid:0.25~2m	Standard sensor Liquid:0.3~10m solid:0.3~4m Anti-corrosion sealed sensor liquid:0.3~8m solid:0.3~4m	Standard sensor Liquid:0.4~15m solid:0.4~6m Anti-corrosion sealed sensor liquid:0.4~10m solid:0.4~6m	Standard sensor Liquid:0.5~20m solid:0.5~8m sealed sensor liquid:0.5~15m solid:0.5~8m
Process connection	G1½"A Thread/flange/bracket	G2"A Thread/flange/bracket	M66×2 Thread/flange/bracket	M95×2 Thread/flange/bracket
Process pressure	-0.02~0.1Mpa			
Precision	±0.25% (full range)			
Process temperature	-40~80℃			
Signal output	4~20mA/HART 24V DC 2/4-wire system; 4~20mA/HART 220V AC 4-wire system; RS485/Modbus 6~26V DC			
Explosion-proof grade	Ex ia IIB T6 Ga			
Protection rating	IP68			

Medium: Acid and alkali waste liquid



Medium: Ceramic glaze



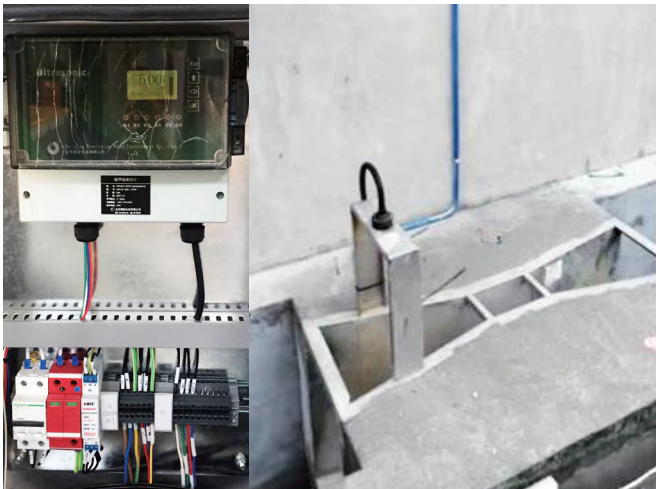
Split Ultrasonic Level Transmitter

Model	PWCS75	PWCS76	PWCS77	PWCS78
Product				
Application	Liquid level measurement in slurry storage tanks and water treatment industries.	Liquid level measurement in slurry storage tanks and water treatment industries.	flow measurement of Parshall flume, throatless flume, rectangular flume and other flumes weirs	Liquid level difference measurement in slurry storage tank and water treatment industry.
Measuring range	10m	10m	10m ³ /s (Depending on the type of flume weir)	10m
Ambient temperature	Control meter -25~50°C	Control meter -25~50°C	Control meter -25~50°C	control meter -25~50°C
Process temperature	-40~80°C	-40~80°C	-40~80°C	-40~80°C
Precision	±0.25% (full range)	±0.25% (full range)	±1%~3% (Depending on the trough weir)	±0.25% (full range)
Signal output	Single 4~20mA+RS485	Dual 4~20mA+RS485	Single 4~20mA+RS485	Dual 4~20mA+RS485
Power supply	110V~230V AC	110V~230V AC	110V~230V AC	110V~230V AC
Protection rating	control meter IP65 Sensor IP68	control meter IP65 Sensor IP68	control meter IP65 Sensor IP68	control meter IP65 Sensor IP68

Medium: Waste water



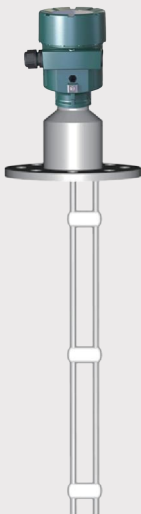
Process: Parshall flume



Smart RF Admittance Level Switch

Model	PWRF211	PWRF212	PWRF213	PWRF214
Product				
Features	LCD display, programmable, return difference value adjustable, one-click setting of empty and full warehouse, one-click setting of high and low material level alarm.			
Application	Solid material switch measurement	Liquid switch measurement	High temperature type solid material switch measurement	Corrosive liquid switch measurement
Probe material	Stainless steel, PPS	Stainless steel, PTFE/FEP	Stainless steel, ceramic	Stainless steel, PTFE/FEP
Probe length	Standard type 350/500mm Customization 500~3000mm	Standard type 350/500mm Customization 500~3000mm	Standard type 350/500mm Customization 500~3000mm	Standard type 350/500mm Customization 500~3000mm
Process temperature	-40~200°C	-40~150°C	-180~500°C	-40~150°C
Process connection	3/4" NPT thread/flange	3/4" NPT thread/flange	G1 1/2" A thread/flange	Composite anti-corrosion flange
Power supply	24V DC/220V AC	24V DC/220V AC	24V DC/220V AC	24V DC/220V AC
Ambient temperature	-40~70°C	-40~70°C	-40~70°C	-40~70°C
Output signal	Relay (two sets of normally open and normally closed contacts)	Relay (two sets of normally open and normally closed contacts)	Relay (two sets of normally open and normally closed contacts)	Relay (two sets of normally open and normally closed contacts)
Contact rating	24V DC/8A; 220V AC/5A	24V DC/8A; 220V AC/5A	24V DC/8A; 220V AC/5A	24V DC/8A; 220V AC/5A
Delay	0~99S (adjustable)	0~99S (adjustable)	0~99S (adjustable)	0~99S (adjustable)
Explosion-proof grade	Ex d II C T6 Gb	Ex d II C T6 Gb	Ex d II C T6 Gb	Ex d II C T6 Gb
Protection rating	IP68	IP68	IP68	IP68
Installation method	Top/Side mount	Top/Side mount	Top/Side mount	Top/Side mount

Smart Capacitive Level Switch

Model	PWCAP211	PWCAP212	PWCAP213	PWCAP214
Product	   			
Features	LCD display, programmable, return difference value adjustable, one-click setting of empty and full warehouse, one-click setting of high and low material level alarm.			
Application	Solid powder granular material point measurement	Liquid level point measurement	Non-metal storage tank liquid level point measurement double-rod probe	Corrosive liquid level point measurement
Probe material	Stainless steel、PTFE/FEP	Stainless steel、PTFE/FEP	Stainless steel、PTFE/FEP	Stainless steel、PTFE/FEP
Probe length	Standard type 350/500mm Customization 500~3000mm	Standard type 350/500mm Customization 500~3000mm	Standard type 350/500mm Customization 500~3000mm	Standard type 350/500mm Customization 500~3000mm
Process temperature	-60~200°C	-60~150°C	-60~150°C	-60~150°C
Process connection	3/4" NPT thread/flange	3/4" NPT thread/flange	Composite anti-corrosion flange	Composite anti-corrosion flange
Power supply	24V DC/220V AC	24V DC/220V AC	24V DC/220V AC	24V DC/220V AC
Ambient temperature	-40~70°C	-40~70°C	-40~70°C	-40~70°C
Output signal	Relay (two sets of normally open and normally closed contacts)	Relay (two sets of normally open and normally closed contacts)	Relay (two sets of normally open and normally closed contacts)	Relay (two sets of normally open and normally closed contacts)
Contact rating	24V DC/8A; 220V AC/5A	24V DC/8A; 220V AC/5A	24V DC/8A; 220V AC/5A	24V DC/8A; 220V AC/5A
Delay	0~99S (adjustable)	0~99S (adjustable)	0~99S (adjustable)	0~99S (adjustable)
Explosion-proof grade	Ex db ia IIC T6 Gb Ex ia tb IIIC T80°C Db	Ex db ia IIC T6 Gb Ex ia tb IIIC T80°C Db	Ex db ia IIC T6 Gb Ex ia tb IIIC T80°C Db	Ex db ia IIC T6 Gb Ex ia tb IIIC T80°C Db
Protection rating	IP68	IP68	IP68	IP68
Installation method	Top/Side mount	Top/Side mount	Top/Side mount	Top/Side mount

Liquid Tuning Fork Level Switch

Model	PWAVE211	PWAVE212	PWAVE213
Product			
Features	Not affected by dielectric constant, vapor, eddy current and other environments, high precision, stability.	Not affected by dielectric constant, steam, eddy current and other environments, high precision, high stability	Not affected by dielectric constant, steam, eddy current and other environments, high precision, high stability
Application	Liquid Point measurement	Liquid Point measurement	Liquid Point measurement
Pipe length	50mm	50~2000mm	1000~6000mm
Process temperature	Standard type -50~150°C High temperature type -50~250°C	Standard type -50~150°C High temperature type -50~250°C	Standard type -50 ~150°C
Process pressure	-0.1~6.4Mpa	-0.1~5.0Mpa	-0.1~0.6Mpa
Process connection	thread/flange	thread/flange	thread/flange
Ambient temperature	-40~70°C	-40~70°C	-40~70°C
Signal output	Relay (two sets of normally open and normally closed contacts) Two-wire 8/16mA; Transistor NPN/PNP	Relay (two sets of normally open and normally closed contacts) Two-wire 8/16mA; Transistor NPN/PNP	Relay (two sets of normally open and normally closed contacts) Two-wire 8/16mA; Transistor NPN/PNP
Contact rating	24V DC/8A; 220V AC/5A	24V DC/8A; 220V AC/5A	24V DC/8A; 220V AC/5A
Explosion-proof grade	Ex db IIC T6 Gb Ex tb IIIC T80°C Db	Ex db IIC T6 Gb Ex tb IIIC T80°C Db	Ex db IIC T6 Gb Ex tb IIIC T80°C Db
Protection rating	IP68	IP68	IP68

Solid Tuning Fork Level Switch

Model	PWAVE214	PWAVE215	PWAVE216
Product			
Features	Not affected by external vibration, medium transformation and dielectric constant, and can measure solid in liquid.		
Application	Solid limit measurement	Solid limit measurement	Solid limit measurement
Pipe length	200mm	200~2000mm	1000~6000mm
Process temperature	Standard type -50~150°C High temperature type -50~250°C	Standard type -50 ~150°C High temperature type -50 ~250°C	Standard type -50 ~150°C
Process pressure	-0.1~2.5Mpa	-0.1~2.5Mpa	-0.1~0.3Mpa
Process connection	thread/flange	thread/flange	thread/flange
Ambient temperature	-40~70°C	-40~70°C	-40~70°C
Signal output	Relay (two sets of normally open and normally closed contacts)	Relay (two sets of normally open and normally closed contacts)	Relay (two sets of normally open and normally closed contacts)
Contact rating	24V DC/8A; 220V AC/5A	24V DC/8A; 220V AC/5A	24V DC/8A; 220V AC/5A
Explosion-proof grade	Ex db IIC T6 Gb Ex tb IIIC T80°C Db	Ex db IIC T6 Gb Ex tb IIIC T80°C Db	Ex db IIC T6 Gb Ex tb IIIC T80°C Db
Protection rating	IP68	IP68	IP68



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The parameters provided in this brochure are only the general description and characteristics of the product, and the content in the text may be different from the actual product, the product will also be upgraded with further research and development. Please consult our sales department and technology department for the best solution!

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<http://www.pwimeter.com>

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