

TIANJIN SURE INSTRUMENT CO., LTD.

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Products Brochure

E.910/21Rev001

***SURE WE ARE,
SURE TO BE BETTER.***

**TO WORK WITH INNOVATIVE SPIRIT
TO DEVELOP HIGH QUALITY PRODUCTS
FOR THE MEASUREMENTS OF FLUIDS.**



Assembly Workshop



Calibration Device



Impeller Processing Equipment

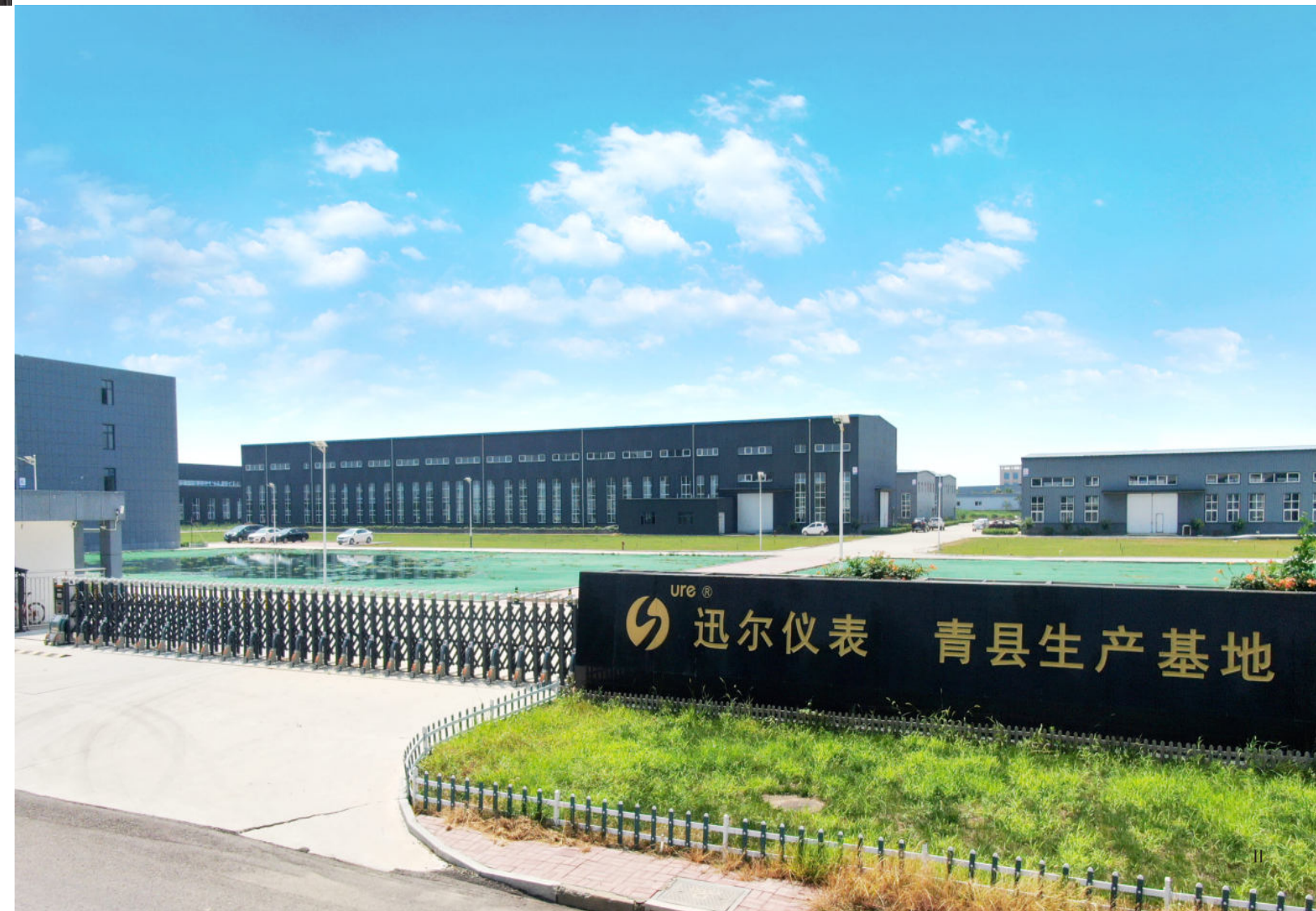


With excellent staffs, advanced equipments, strict quality control system and good services, our products are widely sold to more than 97 countries and gain good reputation from customers. Our aim is to provide a metering solution that helps our customers achieve operational improvement through their production capability, usually, in the form of reduced energy usage, improved product quality, lower emissions and greater production throughout. Reducing emissions, carbon footprint, and your company's impact on the environment is our goal. Not only will have a strong social and environmental impact but also a positive economic impact today and future.

THE COMPANY

TIANJIN SURE INSTRUMENT is engaged into the design, manufacture and service of measurement and analysis instruments field. With 14 years development, we have become one of the outstanding enterprises in this field in China.

At present, Sure Instrument is a professional and responsible flow meter enterprise with 353 staffs, 73000m² standardized workshops and machining centers, high-precision numerical control machines automated assembling line as well as other equipments.



PRESSURE TRANSMITTER



DESCRIPTION

Pressure transmitter is designed to work well under various conditions which is combined with the solid state integrated technological and isolate diaphragm technology.

APPLICATIONS

- Petroleum, Chemical industry
- Electric power, Water supply
- OIL & GAS, Plastic industry
- Ocean and etc.

TECHNICAL DATA

Pressure Range	0-10kPa, 0-100KPa, 0-10bar, 0-1000MPa		
Accuracy	±0.1 %; ±0.2 %; ±0.5 %		
Power Supply	24V DC (12-36V DC)		
Pressure Type	Gauge Pressure (G), Absolute Pressure(A), Sealed Pressure(S), Negative Pressure(N).		
Process Connection	G1/2, M20* 1.5~ 1/4NPT, 1/2 NPT, Customized		
Electrical Connector	Cable, Terminal Block		
Signal Output	4-20mA (1-5V); 4-20mA with HART Protocol; 0-10mA (0-5V); RS 485		
Compensation Range	-10...+70 °C		
Operation Temperature	-40...+60°C (+150°C, +250°C, +350°C optional)		
Maximum Pressure	Measurement Upper Limit	Overland	Long Term Stability
	<50 KPa	2-5 Times	<0.5%FS / Year
	≥50 KPa	1.5-3 Times	<0.2% FS / Year
Note: When range < 1KPa, only no corrosion or weak corrosive gas can be measured.			

MODEL SELECTION

Model	Suffix Code									Description
PT-	①	②	③	④	⑤	⑥	⑦	⑧	⑨	Pressure Transmitter
Measurement range (Actual value)										clients provide
Accuracy	0									±0.05%
	1									±0.1%
	2									±0.2%
	5									±0.5%
Measurement Type	A									Absolute pressure
	G									Gauge pressure (or Seal pressure or Negative pressure)
Pressure Connection	2									M20* 1.5-20 Male
	6									G1/2- 20 Male
	9									On request
Electrical Connection	1									Lead Cable IP 65
	2									Hirschmann/ DIN IP 65
	3									Aviation plug/ Bendix connector IP 65
	4									Terminal Block M20* 1.5 Female IP65
	5									Gland cable IP67
	6									Waterproof plug GX12-5, M12-5 IP67
	7									Lead Cable IP 68
	9									On request
Signal Output	E									4-20mA (1-5V)
	S									4-20mA Intelligent type with HART protocol
	I									0-10mA (0-5)
	V									0-20mA (0-10)
	R									RS485
	F									4-20mA + RS485
	T									On request
Power Supply	2									24V DC
	5									220V AC, 50Hz
	9									On request
Spec of Display Indicators	M3									3 1/2 LCD Display
	M4									3 1/2 LCD Display
	M5									4bits or 5 bits LCD intelligent display
	M7									4 bits LCD display
	M8									4 bits LED display
	MB									Intelligent 4 bits LED indicator
Explosion Proof	MH									Intelligent 4 bits LWD indicator, with 2-year relay alarm
	N									Standard
	I									Intrinsically safe type ExdialICT6
	D									Flameproof safe ExdIIBT4

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