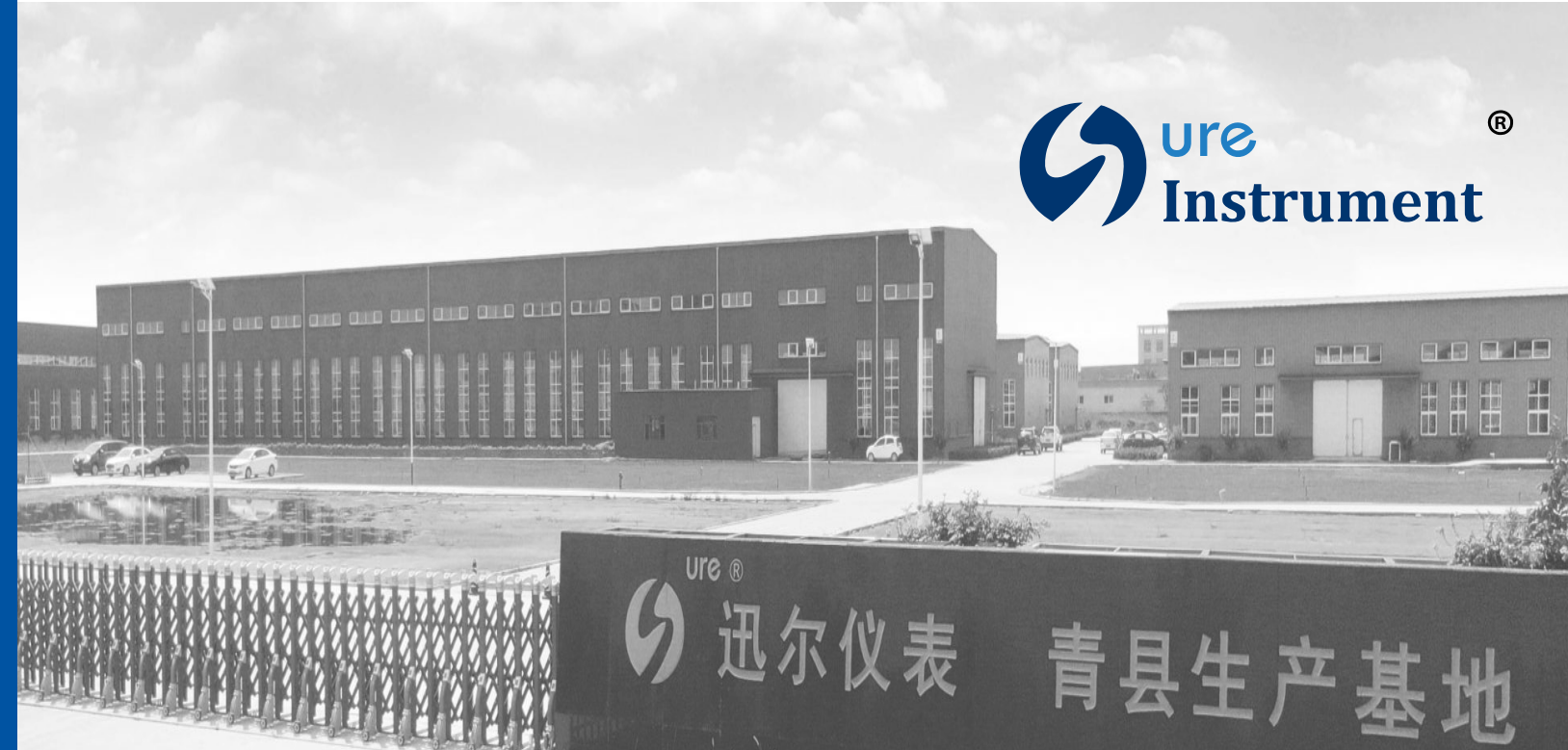




TIANJIN SURE INSTRUMENT CO., LTD.

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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.



ULTRASONIC FLOW METER

PS116 SERIES



DESCRIPTION

Hand-held ultrasonic flow meter is a state-of-the-art universal transit-time flow meter designed using FPGA chip and low-voltage broadband pulse transmission.

APPLICATIONS

- Ultra-pure liquids
- Potable water
- Chemicals
- Raw sewage
- Reclaimed water
- Cooling water
- River water
- Plant effluent

FEATURES

- The design is compact, lightweight, and easy to carry
- Calculate positive and negative flow and cumulative measurement
- Add SD card data automatic storage function, data will never be lost again
- Rechargeable battery and universal power supply design
- Advanced modular integrated design, independent menu operation, large-screen LCD backlight 4 lines display
- Particularly suitable for on-site flow detection for various pressure requirements
- Transmitter protection level: IP54
- Sensor protection level: IP68

TECHNICAL DATA

Flow Range	±0.03ft/s - ±20ft/s (±0.01 m/s - ±6 m/s; 12m/s optional)
Accuracy	±1% of measured value
Pipe Size	Clamp- on: (25mm - 1200mm)
Pipe Material	Carbon steel, stainless steel, PVC
Output	Analog output; 4- 20mA, max load 750Ω
SD Card	Storage: 1 GB
	Max: 512 files
	Interval: 5- 60 seconds
Power Supply	11.1V rechargeable Lithum Battery Power
Keypad	Tactile Keys
Display	3.5 inch TFTblack and whitescreen (320× 240) backlit LCD
Temperature	Transmitter: -10 °C...+50 °C
	Transducer: 0 °C...+80 °C
Humidity	Up to 99% RH, non- condensing
Protection	NEMA 13, IP54
	Encapsulated design, IP68
Weight	Transmitter: approximately 1.0 kg One set weight is 10kg after package



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