



Measurement Products

# ABB Shanghai Kangqiao Factory In China for China and the World

# ABB Shanghai Kangqiao

## State of the art factory built on a stable network and rich heritage

### Introduction

ABB Shanghai is located in the Shanghai Pudong Kangqiao Industrial Zone, one of the biggest technology hubs of Shanghai. The Kangqiao site is one of ABB's key local enterprises, a major manufacturing/engineering base and a key component of the national and worldwide ABB network. It acts as the nationwide Product Management Unit for Measurement Products Instrumentation.

The Kangqiao factory hosts 9 production lines - it is the only of its kind to cover the majority of the full Measurement Products portfolio. The factory is continuously under expansion, extending its support of the Asian market.

### History

ABB has more than 100 years history in China, and was amongst the first major companies re-establishing a base in China in the mid-70s. ABB Shanghai was founded in 1999, and is today a core component of the ABB China network, which accounts for 14% of ABB revenues generated worldwide, the highest percentage for any country or region where ABB operates.

### Service coverage

ABB Shanghai Kangqiao is key base of ABB Measurement Products in China and Asia. In addition to serving the large and continuously expanding Chinese client base, the factory also provides services for both the Asian region and worldwide clientele. Continuous and high-quality service is guaranteed through the sustained quality management processes and support facilities backing up the manufacturing base, including on-site R&D and logistics centers.



# The unrivalled scope and value of ABB Measurement Products Proven in space, on the ocean floor and everywhere in between.



## Instruments for a wide range of applications

ABB Measurement Products deliver more than reliable and accurate measuring values at the highest quality level, recognized by international quality standards.

Easy integration and built-in diagnosis capabilities help improving processes to perfection and bring many advantages to any industry: optimized plant efficiency, security, availability and reliability.

The results of using world-class ABB measurement instruments are increased productivity, reduced environmental impact and maximum return on investment.

The ABB Measurement Products portfolio includes the following instruments and devices:

- Flow measurement
- Pressure measurement
- Temperature measurement
- Level measurement
- Force measurement
- Natural gas measurement
- Analytical instruments
- Actuators and positioners
- Recorders and controllers
- Device management
- Process analytics

# Production capabilities

## Pressure Instrument Production, Flowmeter Production and Calibration

### Pressure transmitter production line

Our factory is ABB's global center for gauge pressure transmitter, differential pressure transmitter and remote seal technology and production – guaranteed access for our clients to the latest pressure transmitter and remote seal products. ABB pressure transmitters are easy to configure, and they help to standardize transmitter installations plant-wide. (1-2)

### Flowmeter production line

Our factory assembles electromagnetic flowmeters ranging 10 to 2400mm, vortex flowmeters ranging 15 to 300mm and wedge flowmeters ranging 100 to 600mm diameter. Electromagnetic flowmeters include our ProcessMaster, WaterMaster and AquaMaster brands, and are best fitted to measure the flow of conductive liquids, slurries or sludges. Vortex and wedge flowmeters can measure liquids, gases and steams - wedge flowmeters are especially suitable for demanding conditions with high attrition or high viscosity. All of our flowmeters are durable, easy to operate and carefully calibrated to ultimate precision. (3-4)

### Pressure transducer production line

Our factory assembles gauge pressure transducers from series 261 and 266. Besides serving our clients, we also supply transducers to other ABB factories. Our transducers are factory-calibrated and designed for continuous combustion pressure measurement, 24 hours a day, 365 days a year without any need of recalibration. Cleaning the transducer is easy and quick through the help of our patented blow-through design. (5-6)

### Flowmeter calibration rig

We are proud to operate one of the largest rig complexes in the world based on its constant flow capability. Our calibration rig is a global center for ABB, and can calibrate diameters ranging 10 to 2400mm, pumping a constant flow of up to 12000 cubic meters per hour. The entire flow calibration facility in Shanghai is certified by the Shanghai Institute of Measurement and Test Technology (SIMT), accredited by international standards bodies, such as UKAS, NIST, DKD, NVLAP and NATA. (7-8)



# Production capabilities

## Temperature, Level and Analyzer

### Instrument Production Lines

#### AX400 transmitter production line

Our factory performs assembly and testing of the world-class ABB AX400 analyzer transmitter equipment. The AC400 analyzer is high-performance conductivity analyzer enclosed in a small package. Through its modularity and included variable calculation functionality system and infrastructure costs can be greatly reduced. (1-2)

#### AZ20 / Zirconia analyzer production line

Our factory performs assembly and testing of the ABB AZ20 / Zirconia oxygen analyzers. The production process and technology is globally synchronized with other ABB locations. The AZ20 is a combustion gas analyzer, providing accurate and rapid oxygen reading for combustion control optimization and emissions monitoring based on its zirconium oxide cell sensor. (3-4)

#### Temperature measurement production line

Our factory performs assembly and testing of the ABB Sensytemp temperature sensors and TTH/TTF series temperature transmitters. Annual production capacity can reach up to 50000 sensors and 20000 transmitters depending on configuration. These product series are flexible to assemble and can be used both in hazardous areas and in rough environmental conditions. (5-6)

#### Level measurement production line

Our factory performs assembly and testing of ABB level measurement devices, including magnetic level gauge, magnetostrictive, guided wave radar, LS switch, EC chamber and ultrasonic level transmitters. Annual production capacity can reach up to 5000 produced sets, depending on configuration. ABB level measurement devices deliver solutions based on proven technologies for the most difficult level applications for both liquids and solids. (7-8)



# Support and services

## Unparalleled service commitment and after-sales support

### Can I contact you during non-work hours?

We provide a 24-hour hotline support to immediately address urgent needs. Simply call +86-400-6209919, and we help you.

### Can you repair any ABB instrument?

Our site is capable of checking and verifying all ABB instruments and repair 85% of the full measurement product portfolio locally, with no additional dependencies.

### I need my repair done urgently. Can you help?

Our turnaround time for local repairs is less than two weeks. Through our continuous connection with other ABB sites, we can provide reasonable turnaround time for repairs done in Europe.

### Can you help us on our premises?

We provide troubleshooting services and commissioning at customer premises.

### Do I need to wait for spare parts?

We host a comprehensive spare part stock to eliminate waiting periods. Most requests can be addressed instantly.

### Can you customize products for special needs?

Our on-site research and development center provides customizations to manufacture special products. No need to wait for long customization process to finish – everything is done locally.

### Do you provide shipping services?

Our on-site 1500 square meter logistics center and carefully selected logistics partners guarantee express delivery and logistic operations, regardless of volume and destination.

### Can you help with training?

We provide a full scope training to our customers and centers, either on-site in our fully equipped training center, or at customer premises. We can provide technical, service, pre-sales and after-sales trainings.





# Contact us

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For more product information visit:

[www.abb.com/measurement](http://www.abb.com/measurement)

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