

aobo

instrument

**2024
PRODUCT
INTRODUCTION**

Intelligent Flow Totalizer

Company Profile

Weifang AOBO Instrument Technology Development Co., Ltd., founded in 2002, with registration capital of 10 million RMB, is a "High-Tech" and "Double-Software Certification" enterprise specialized in "flow measurement and intelligent measurement & control" industry, integrating R&D, production, sales and service.

The company has a core R&D team for computer software and technology, automatic intelligent control, HVAC engineering design and flow measurement. It has the ability to provide customers with specific solutions and complete sets of products according to their different needs, based on years of practical experience. Especially in the heating industry, by the customer's recognition, has a high reputation in the industry.

The products are mainly used in the measurement and control of "steam, liquid, gas, sewage and tap water"; and especially suitable for energy monitoring and energy-saving control in many industries, such as thermal power plants, thermal companies, residential heating, petroleum, chemical industry, papermaking, food, coating, printing & dyeing and HVAC.

Since its foundation, based on self-developed and leading technology, reliable quality, high-quality service and good reputation, our company has been warmly accepted by customers, and become a designated supplier for many central enterprises and listed companies.

Contact

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All of the catalogue and company information can be found at:

WWW.AOBOINSTRUMENT.COM

I. Product Overview

ABDT-FC6000 Intelligenet flow totalizer is a new general flow computer based on smart Chinese/English menu configuration. It completes the steam, gas and liquid flow metering calculation function



with faster computing speed, lower power consumption and more reliable performance. It can make real-time online fluid temperature and pressure compensation. It adds steam heat calculation function. It can receive flow, temperature, pressure and other signals at the same time, the signal can be frequency, current, differential pressure, resistance and other types. The signal processing adopts switch free contact and potentiometer free adjustable component technology, making the measurement more accurate and the work more reliable.

II. Performance Parameter(s)

Flow input signal	Frequency signal, (4-20) mA current signal or differential pressure signal
Pressure input signal	(4-20) mA current signal, which can be set in Pa/KPa/MPa
Temperature input signal	Resistance signal of the Pt100 platinum resistance and the (4-20) mA current signal of the temperature transmitter
Accuracy	Grade 0.2
Communication	RS232/RS485 interface, standard Modbus RTU protocol; Support dual channel communication
Display function	Display the instantaneous flow, accumulated flow, pressure, temperature, frequency, current, differential pressure, density, power-off times, power-off/power-on time of the last time, power-off time, date,

	time, instantaneous heat, accumulated heat, enthalpy etc.
Self-diagnostic function	During steam measurement, the temperature pressure compensation is automatically judged. When the field temperature is lower than the corresponding saturated steam temperature, compensation is according to the saturation steam working mode; On the contrary, it is according to the superheated steam compensation
Small signal removal function	In the environment of slight vibration or disturbance, it has the function of removing the interference signal, which improves the measuring stability of the instrument.
Power-off protection function	The results of the operation and the data set by the user will not be lost during power off and it will be saved for more than 10 years
Working power supply	AC220V $\pm$ 15%, DC12V $\pm$ 5%, power dissipation<5W
Feed output	There are two groups. One is 12V/30mA and another is 24V/200mA
Work environment	Temperature:(-10~60) $^{\circ}$ C; Humidity:(5-85)%RH
Hole size	153*77 (L*W, in mm)
Outline size	160*80*120(W*H*D, in mm)
Optional function	Quantitative control function, thermocouple input function and (4-20) mA output function

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