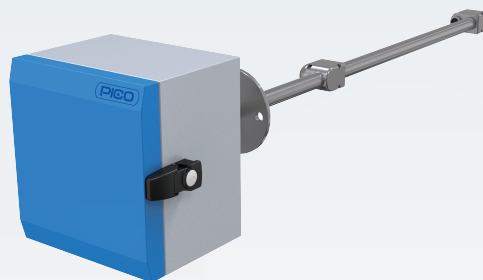


PFLW-300 Single-Ended Flue Gas Ultrasonic Flowmeter

Overview

PFLW-300 single-ended flue gas ultrasonic flowmeter is a device for measuring gas flow rate based on the principle of ultrasonic transit time. The product adopts the innovative structural design of integrated temperature and pressure flow, which is easy to install and disassemble, and meets the requirements of relevant national standards. It is used for the flow rate measurement of boiler flue, chimney flue gas, etc. Real-time continuous measurement of flue gas temperature, pressure, flow velocity and flow rate of low-speed flue, flue that cannot increase openings, etc.



Advantages

- Time difference measurement, high measurement accuracy, good reliability, can work continuously for a long time;
- Good anti-interference, flow rate measurement is not affected by temperature and pressure;
- One-sided flue opening, no need to align, and can adapt to different flue pipe diameters;
- There is no need to increase the installation platform and reduce the installation cost;
- Suitable for harsh environments such as high dust and high humidity;
- Integrated design, convenient equipment maintenance.

Technical Parameters

Measurement Name	Temperature	Pressure	Flow Rate
Measurement Principle	Thermal Resistance	Pressure Sensor	Ultrasonic Method
Measurement Range	(0~500) °C customizable	(-10~10) kPa customizable	(0~45) m/s customizable
Measurement Accuracy	Not exceed $\pm 3^{\circ}\text{C}$	Not exceed $\pm 10^{\circ}\text{C}$	Flow rate $>10\text{m/s}$, $\leq 10\%$ Flow rate $\leq 10\text{ m/s}$, $\leq 12\%$
Response Time	$<8\text{s}$	$<1\text{s}$	$<1\text{s}$
Signal Output	4~20 mA current, RS232		
Probe Material	316L stainless steel		
Probe Length	1000mm, customizable (Maximum 2m)		
Power Supply	220VAC, 50Hz		
Medium Temperature Range	$-40^{\circ}\text{C}\sim 120^{\circ}\text{C}$		
Ambient Temperature	$-10^{\circ}\text{C}\sim 50^{\circ}\text{C}$		
Storage Temperature	$0\sim 50^{\circ}\text{C}$		
Storage Humidity	0~85%RH		



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