

RK100-06 shell is made of flame retardant and corrosion-resistant material. Based on the principle of pitot tube pressure measurement, the gas required for measurement is very little. The performance of RK100-06 shell is equally reliable even in harsh environment with a small amount of dust. The product can obtain higher reliability and repeatability by using digital linear compensation and temperature compensation.

## FEATURES

- High accuracy
- High resistance to the instantaneous wind speed
- Strong corrosion resistant ability
- Wide range, good stability
- Full pressure (dynamic pressure + static pressure) can be measured by orifice alignment with wind direction.
- Easy Installation



## APPLICATIONS

- HVAC
- Flue Gas Treatment in Power Plant
- Textile and Chemical Industry
- Pipeline Air Flow Monitoring
- VAV system
- Purifying Environmental Ventilation System

## SPECIFICATIONS

Item	Specification
Range	0-100Pa,0-250Pa,0-500Pa,0-1000Pa,0-2000Pa,0-5000Pa,0-10000Pa
Supply	24VDC
Output	4-20mA,0-10V,RS485
Response time	<1s
Accuracy	±1%FS
Resolution	1Pa
Power consumption	<40mA@24VDC(4-20mA) <20mA@24VDC(RS485,0-10V)
Display	LCD optional
Ingress Protection	IP65
Operating Temperature	-20°C-+70°C
Main material	Flame retardant ABS
Probe length	220mm typ., Other length(<1500mm) can be customized
Storage Condition	10°C-60°C@20%-90%RH

## OUTPUT

- 4-20mA

$$V(\text{Pa}) = ((I_{\text{out}} - 4) / (20 - 4)) * (\text{Range}_{\text{max}} - \text{Range}_{\text{min}}) + \text{Range}_{\text{min}}$$

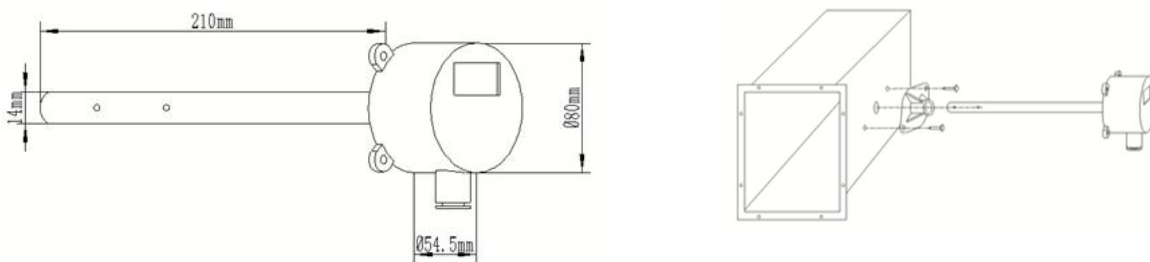
- 0-10V

$$V(\text{Pa}) = (V_{\text{out}} / 10) * (\text{Range}_{\text{max}} - \text{Range}_{\text{min}}) + \text{Range}_{\text{min}}$$

- RS485

## DIMENSION & MOUNTING

When installing the product, please keep the direction of the arrow on the probe and the direction of the wind.



## PARAMETER SELECTION TABLE

Remark	Series	Type	Output	Range	Display	
RK						
	100					
		06				
			A		4-20mA	
			B		0-10V	
			C		RS485	
			X		Other	
				A	0-100Pa	
				B	0-250Pa	
				C	0-500Pa	
				D	0-1000Pa	
				E	0-2000Pa	
				F	0-5000Pa	
				G	0-10000Pa	
				X	Other	
					D	With display
					N	Without display

Example: RK100-06ABN Output:4-20mA,Range:0-250Pa, without display

The default power supply voltage is 24VDC,if you have other requirements please confirm when ordering.



Complies with applicable CE directives.

Specifications subject to change without notice. Version 3.0

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