

RK300-01 Wall-mounted Barometric Pressure Sensor



RK300-01 Wall-mounted Barometric Pressure Sensor with small size, reliable performance, high precision, long transmission distance, strong anti-jamming capability, which is widely used in meteorology, marine, environment, airports, ports, laboratory, agricultural and transportation and other fields.

FEATURES

- High Sensitivity
- Low temperature Drift
- LCD display optional
- Light construction
- Internal auto compensation
- Temperature compensation



Without display



With display

APPLICATIONS

- Environmental monitoring
- Livestock farm
- Storage
- Wind resource assessment
- Greenhouse
- Agriculture

TECHNICAL SPECIFICATION

Item	Technical Specification
Range	500-1100hPa(mbar)
Resolution	0.1hPa
Accuracy	±1mBar(-20~45°C)
Temperature Drift	≤0.02%FS/°C
Response Time	<1s
Supply	12VDC
Output Signal	SDI-12
Power consumption	≤5mA active ≤1mA static
Operating Temperature	-40°C~+75°C
Ingress Protection	IP65
Storage	10-60°C@20%-90%RH
Dimensions	117 *86*40 mm
Weight(unpacked)	155g

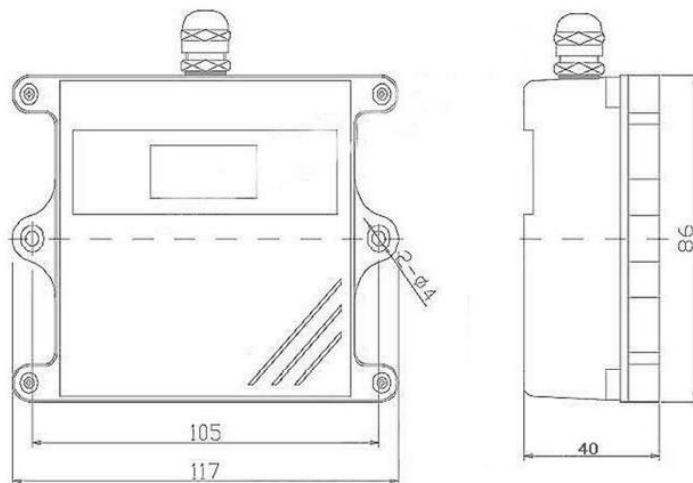
MOUNTING

1. Install the product in stable environment area, avoid direct sunlight, away from windows air-conditioning, heating and other equipment. Otherwise it will cause atmospheric pressure measurement inaccuracies.

2. It is recommended to install in the cabinet open to the atmosphere, for example: instrument shelter.

DIMENSION

Unit:mm



PARAMETER SELECTION TABLE

Remark	Series	Type	Supply	Range	Output	Cable Length	
RK							
	300						
		01					
			A				5V
			B				12-24V(typ.)
			X				Other
				A			600-1100hPa
				X			Other
					A		4-20mA
					B		0-5V
					C		0-10V
					D		RS485
					X		Other
						2000	Units:mm (typ.)
						3000	Units:mm
						...	Units:mm

Example: RK300-01BAD2000 Supply:12-24V, Range:600-1100hPa Output:RS485 Cable Length:2m.

Note: The cable conductors are identifiable by different colors.



Complies with applicable CE directives.

Specifications subject to change without notice. Version 3.1

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