



Without Display



With Display

Reliable Performance & High Precision Wall Mounted Barometric Pressure Sensor

Overview

The **Wall-Mounted Barometric Pressure Sensor** features a compact design with high precision and reliable performance, making it ideal for continuous and accurate atmospheric pressure monitoring. Engineered for long-distance data transmission and strong anti-jamming capability, this sensor ensures stable operation even in challenging environments.

It's versatile application range includes meteorology, marine research, environmental monitoring, airports, ports, laboratories, agriculture, transportation, and other critical fields where dependable pressure data is essential.

Features

- ✓ High Sensitivity
- ✓ Low Temperature Drift
- ✓ LCD Display Optional
- ✓ Light Construction
- ✓ Internal Auto Compensation
- ✓ Temperature Compensation

Applications

- ✓ Environmental Monitoring
- ✓ Livestock Farm
- ✓ Storage
- ✓ Wind Resource Assessment
- ✓ Greenhouse
- ✓ Agriculture

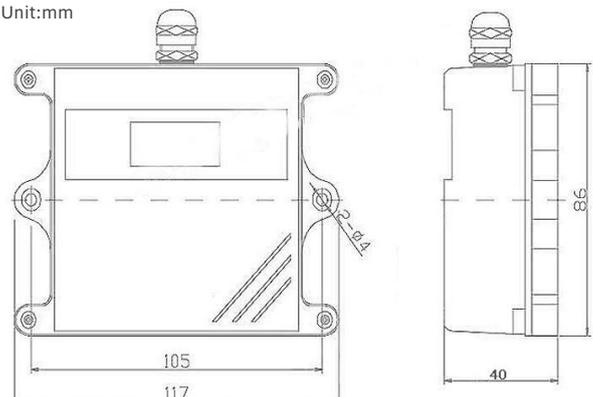
Mounting

- ✓ Install the product in stable environment area, avoid direct sunlight, away from windows, air conditioning heating and other equipments. Otherwise it will cause atmospheric pressure measurement inaccuracies.
- ✓ It is recommended to install in the cabinet open to the atmosphere.

For Example: instrument shelter.

Dimension

Unit:mm



Technical Specifications

Item	Specifications
Range	600 ~ 1100hPa(mbar)
Resolution	0.1hpa
Accuracy	±0.5hPa
Temperature Drift	≤0.02%FS/°C
Response Size	<1S
Supply	5VDC, 12 ~ 24VDC
Output Signal	RS485, 4-20,0 ~ 5mA V, 0 ~ 1V Optional
Operating Temperature	-40°C ~ 75°C
Ingress Protection	1P65
Storage	10 ~ 60°C @ 20% ~ 9%RH
Dimensions	117*86*40mm
Weight (Unpacked)	100g

Parameter Selection Table

Remark	Series	Type	Supply	Range	Output	Cable Length	
BS							
	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
						3000	Units: mm
						...	Units: mm

Example: BS300-01BAD2000 Supply: 12 ~ 24V, Range: 600 ~ 1100hPa Output: RS485, CableLength: 2m

For comprehensive details, visit: www.buraq.com/BS300-01 



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