


4、 Technical parameters

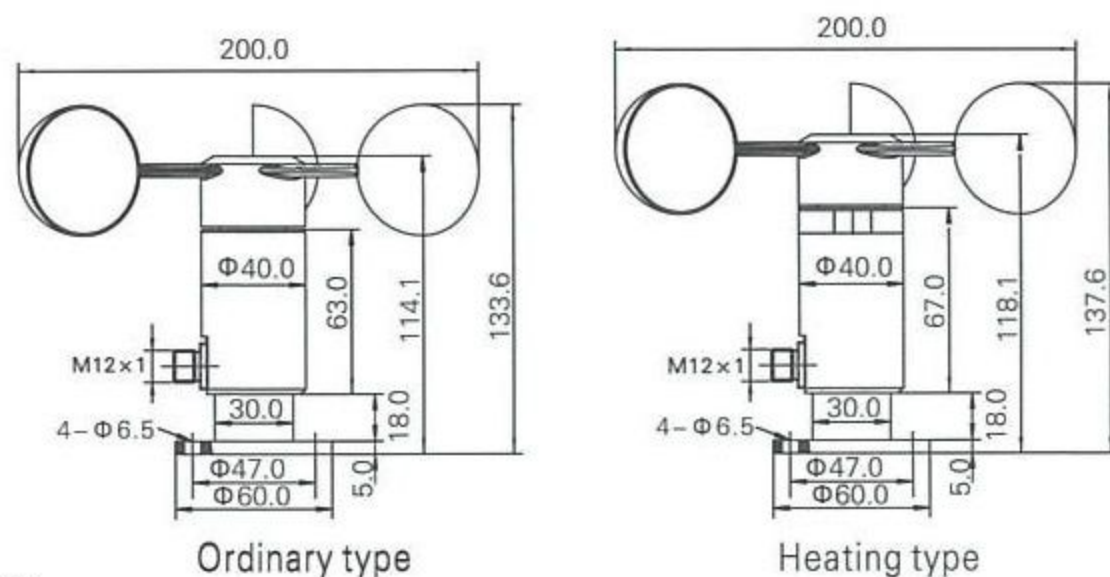
Power Supply	DC 12~30V	Measuring Range	0.5~50m/s	Heating type wind speed sensor 1. Heating mode PTC automatic heating 2. Heating voltage 24VDC 3. Heating power <50W
Starting wind speed	≤ 0.5m/s	Limit Wind Velocity	> 70m/s	
Accuracy	± 0.5m/s (< 5m/s) ± 3%FS (≥ 5m/s)	Operating Humidity	0%~95% RH	
Surge protection	EMC III	Electrostatic protection	15KV	
Operating Temperature	-20°C~+85°C	Protection grade	IP65	
Material	Aluminum alloy			
Output Signal	4~20mA (Typical load resistance: 250Ω) 0~5V;0~10V; Pulse output.			

6、 Electrical interface and connection method

M12 Connector	Output line	Output Signal	Serial number	Wiring Method	
				Signal	Color
 Heating type	5-Wire	Current / voltage / pulse (optional)	1	+Vcc	Brown
			2	+Signal out	White
			3	GND	Blue
			4	Heat24V+	Black
			5	Heat24V-	Grey


5、 Installation instructions

Unit:mm



Wind speed sensor installation instructions

1. Please install the sensor level, as shown above, the installation base and the horizontal plane angle with no more than 5 degrees is appropriate, in order to ensure that the sensor can accurately measure the wind speed at low wind speed;
2. As shown above, the wind cup and windmill arm position and shape directly affects the sensor accuracy, installation process do not grasp the wind cup and windmill arm, so as to avoid damage to the sensor structure, impact measurement accuracy.

M12 Connector	Output line	Output Signal	Serial number	Wiring Method	
				Signal	Color
 Ordinary type	3-Wire	Current Type	1	+Vcc	Brown
			2	+Iout	White
			3	GND	Blue
			4	PE	Black
	3-Wire	Voltage Type	1	+Vcc	Brown
			2	+Vout	White
			3	GND	Blue
			4	PE	Black
	3-Wire	Pulse Type	1	+Vcc	Brown
			2	+P _{out}	White
			3	GND	Blue
			4	PE	Black