

# Wind Speed Sensor

## AT-FST200—201 Wind Speed Sensor

### Features

- Excellent resistance against impact, overload, shock and erosion
- Small and exquisite, easy to take, simple to install
- Alloy material finish, reasonable structure design and nice outlook quality
- Stainless steel Wind cup, anti-wind load can reach 70m/s

### Applicable Scope

- Working aloft testing and control
- Engineering machine testing and control
- Weather station and environment protection testing and control
- Port and wharf environment testing and control
- Other industrial automation about wind speed and direction testing and control

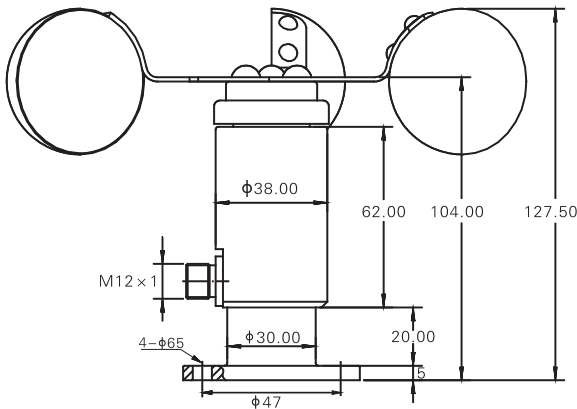


### Project

### Parameter

|                          |                       |                                        |                        |        |
|--------------------------|-----------------------|----------------------------------------|------------------------|--------|
| Technical Index          | Output                | Pulse signal ( HZ )                    | 0-5VDC                 | 4-20mA |
|                          | Working Voltage       | 5VDC 24VDC                             | 12~36VDC(common 24VDC) |        |
|                          | Testing range         | 0.5m/s~50m/s                           |                        |        |
|                          | Start wind speed      | ≤0.5m/s                                |                        |        |
|                          | Accuracy              | ± 0.5m/s(<5m/s)                        |                        |        |
|                          |                       | ± 3% FS(≥5m/s)                         |                        |        |
|                          | Working Environment   | Temperature: -20℃~+85℃ Humidity≤95% RH |                        |        |
|                          | Limit wind speed      | Max: 70m/s 30min                       |                        |        |
|                          | Electrical connection | M12                                    |                        |        |
| Environmental Protection | IP65                  |                                        |                        |        |

### Dimension



| M12 Connection | Potential Lead | Output Signal | Serial NO | Wiring Method |       |
|----------------|----------------|---------------|-----------|---------------|-------|
|                | 3-Wire         | Current mode  | 1         | +Vcc          | Brown |
|                |                |               | 2         | +Vout         | White |
|                |                |               | 3         | GND           | Blue  |
|                |                |               | 4         | PE            | Black |
|                | 3-Wire         | Voltage mode  | 1         | +Vcc          | Brown |
|                |                |               | 2         | +Vout         | White |
|                |                |               | 3         | GND           | Blue  |
|                |                |               | 4         | PE            | Black |
|                | 3-Wire         | Pulse mode    | 1         | +Vcc          | Brown |
|                |                |               | 2         | +P ovt        | White |
|                |                |               | 3         | GND           | Blue  |
|                |                |               | 4         | PE            | Black |