



# TIS WEATHER STATION

Data Sheet Rev 3.2

Model: TIS-WS-71



## OVERVIEW

This product is a smart sensor with the capability to measure the outdoor temperature, humidity, rainfall, wind detection, speed, brightness, and ultraviolet levels with the purpose of maximum energy efficiency and user comfort.

### KEY BENEFITS

- ✚ Wind speed and direction calculation
- ✚ Rain fall level metering
- ✚ Outdoor temperature and humidity sensor
- ✚ Brightness and UV level detection
- ✚ Applicable in all types of projects

### KEY FEATURES

- ★ Compatibility with other TIS solutions
- ★ Programmable for scenes & presets
- ★ Outdoor installation
- ★ 32 Advanced logic & timers
- ★ Accessible via TIS App















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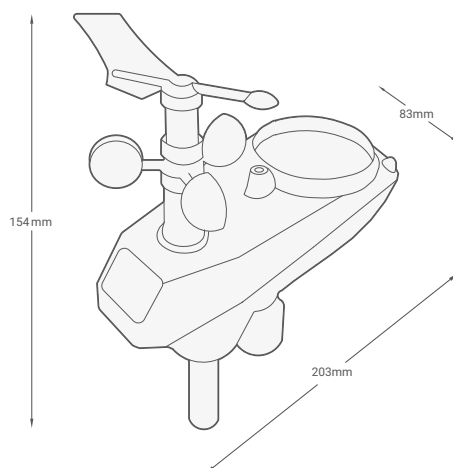
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## PRODUCT SPECIFICATIONS

|   |                              |   |   |
|---|------------------------------|---|---|
|    | <b>Temperature Measuring</b> | Range<br>Accuracy   | -30°C - 60°C<br>+/- 1°C                                       |
|    | <b>Humidity Measuring</b>    | Range<br>Accuracy   | 10%~99%<br>+/- 5%   |
|    | <b>Rain Volume Display</b>   | Range<br>Accuracy   | 0 - 9999mm<br>+/- 10%   |
|    | <b>Wind Speed</b>            | Range<br>Accuracy   | 0-50m/s (0~100mph)<br>+/- 1m/s (wind speed< 5m/s)             |
|    | <b>Brightness</b>            | Range<br>Accuracy   | 0-400000 Lux<br>+/- 15%                                       |
|    | <b>TIS Bus</b>               | Number of devices on 1 line<br>Bus voltage<br>Current consumption                     | Max. 64<br>12-32 V DC<br><20 mA / 24 V DC                     |
|  | <b>Mounting</b>              | Outdoors  | Special tool for roof installation                            |
|  | <b>Connection Terminal</b>   | Data / bus / 4 Pin plug   | Resistive temp sensor   |
|  | <b>Weight</b>                | Without packaging   | 800g  |
|  | <b>Dimensions</b>            | Width × length × height   | 203mm × 83mm × 154mm  |
|  | <b>Housing</b>               | Materials<br>Casing color<br>IP rating  | ABS<br>Gray<br>IP 65 outdoor                                  |
|  | <b>Environment</b>           | Operation temperature<br>Storage temperature<br>Transport temperature<br>Air humidity | -50...60°C<br>-40...60°C<br>-40...60°C<br><99% non-condensing |



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