



Wind Speed System

Wireless & Cable-Based Wind
Speed Monitoring & Indication

TRIMBLE LIFTING SOLUTIONS WIND SPEED SYSTEM

Wireless & Cable-Based Options



The most **COST-EFFECTIVE** wireless Trimble Lifting Solutions Wind Speed System includes:

The GS026 Wind Speed Sensor

The GS320 Wind Speed Display/Receiver
(pictured to the left)



All Trimble Lifting Solutions Wireless Wind Speed Sensors can transmit data to the GS820 and GS550 Multi-Sensor Displays, and to the GS221 Gateway Router



ALREADY USING A TRIMBLE LIFTING SOLUTIONS WIRELESS WIND SPEED SENSOR?

For an easy upgrade, the GS026 Wireless Wind Speed Sensor can retrofit onto the existing mounting bracket of the previous generation GS020 Wireless Wind Speed Sensor

**THE GS026
WIND SPEED
SENSOR FEATURES A
1-YEAR WARRANTY
AND EITHER FCC OR CE
CERTIFICATIONS**



The **Trimble Lifting Solutions GS026 Wireless Wind Speed Sensor** introduces a user-focused and cost-effective design to the market.

For applications requiring a wireless wind speed unit, the GS026 has the best market value.

Whether the application is residential, commercial, marine or heavy industrial, the GS026 offers the best value for the money based on features, functionality and radio performance.



Cable-Based
Wind Speed Sensor

Cable-Based Wind Speed Sensor design features include:

- Stainless steel ball bearings for the greatest accuracy and operating life
- Built-in ice skirt allowing operation with a 2 in (5.1 cm) ice load
- Operating temperature: -58°F to +158°F (-50°C to +70°C)
- Typical accuracy: ±0.25 mph (±0.4 km/h)
- Robust aluminum cup assembly
- Sealed magnetic reed switch
- Low starting threshold



All parts of the GS026 are molded by Trimble Lifting Solutions using a rugged UV resistant nylon composite.



Battery changes are as simple as 1-2-3:

- 1 – Turn the battery cap 90° and remove the cap
- 2 – Replace the battery with a new one
- 3 – Replace the battery cap

GS020 design features include:

- Available with CSA Class 1, Div 1 and 2 or ATEX Zone 0, 1 and 2 certifications for use in hazardous locations
- Communication range: 4,300 feet (1,300 meters)
- Typical accuracy: ± 1 mph (± 1.6 km/h)
- Ships standard with a 3.6V lithium battery (1.5–2 years battery life)
- Lithium battery can be replaced by a 1.5V alkaline battery if necessary (6 months – 1 year battery life)
- Direct Sequence-Spread Spectrum-Two Way Communication
- Deep sleep mode when display is powered off to save battery life
- Operating temperature: -30°F to +180°F (-35°C to +85°C)
- 2 year warranty against defects
- Potted electronics for increased waterproof protection
- User-replaceable antenna



GS020
Wireless
Wind Speed
Sensor

WIND SPEED SENSOR INSTALLATION TIP

Prevent crane accidents by placing the wind speed sensor at the **BOOM TIP OF THE CRANE.**

This will provide the most accurate data; there is a vast difference in the wind speed 20 feet from the ground as compared to 200 feet from the ground.



The GS026 cup design is extremely flexible, dramatically reducing wind cup breakage.



If a wind cup does break, users can order an inexpensive replacement wind speed head. To remove the old head, simply pull it until it unsnaps. The new head will easily snap into place, no calibration necessary.

GS026 design features include:

- Communication range: 4,600 feet (1,400 meters)
- Measurement range: 0 to 150 mph (0 to 241.4 km/h) (The GS320 display shows a maximum wind speed of 99 mph or 159.3 km/h)
- Typical accuracy: ± 3 mph (± 4.8 km/h)
- User-replaceable wind cup assembly
- Simple and easy battery change
- Ships standard with a 3.6V lithium battery (Can be replaced by a 1.5V alkaline battery if necessary)

Users can expect up to 3 years of battery life under normal operation. If wind speed was monitored continuously 24 hours a day / 7 days a week, users could expect 20 months of battery life from one “D” cell lithium battery.

The wind speed sensing element has no moving parts. The wind cup head assembly has an embedded magnets that pass by a reed switch in the wind speed body as the wind speed head assembly turns, producing an accurate wind value.

The GS026 Wind Speed Sensor pivots on its zinc plated steel mounting bracket, useful in applications where the structure it is mounted on moves up and down, such as with cranes or other lifting equipment. This keeps the wind cups perpendicular to the wind, the ideal angle to accurately measure the wind speed.

The GS026 Wind Speed Sensor is ideal in any application where monitoring wind speed is vital and a resultant action may be required.

