ALL-NEW 2019

SCI
SCALE AND CONTROL INC.

Wireless Windspeed System

WR-3

400M

- 400m Long Range Transmission
- 4 Year Sensor Battery Life
- Easy Mounting
- Impact Resistant
- Replaceable Wind Cups

888-239-0552 | sales@scaleandcontrol.com | www.scaleandcontrol.com

Introduction

Cranes operating in windy conditions could create a potentially dangerous situation. The wind forces imposed on both the crane and the load can affect the strength and stability of the cranes. In order to ensure everyone's safety during lifting operations, it is very important for the members in the lifting team to know the wind speed and resistance.
The challenge in knowing the wind speed is the connection between sensor and display. Traditional cable solutions have limitations. Our Wireless Anemometers provide effective solutions ranging from the standard display (WR-3), data-logger (WL-11) and full-fledged wireless alarm system (WL-410).

Features

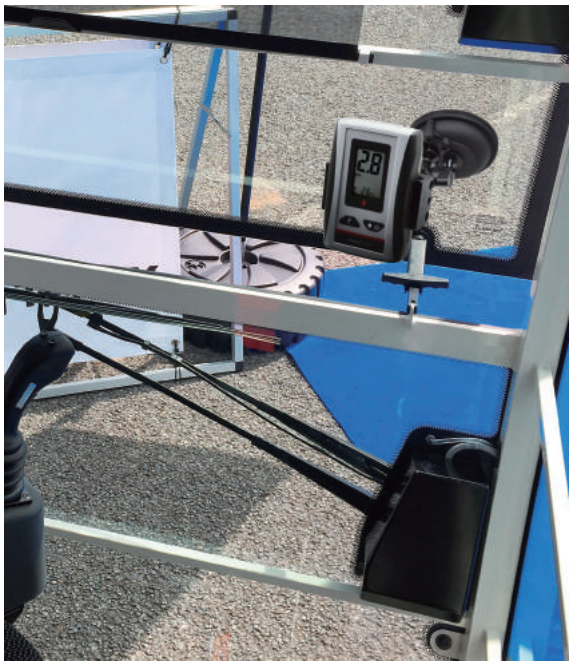
WR-3 is a long-range portable wireless anemometer. It has a handheld portable display unit and sensor suitable for both permanent and temporary installation. The sensor transmits data every 2 seconds to a 400m radius from the receiver. Each sensor has its own address so several anemometers can operate in close proximity without disturbance.

- Durable stainless ball bearing sensor
- 4 year sensor battery life
- 868 MHz RF enables 400 m transmission
- Impact resistant LCD display unit with rubber sides
- Low power consumption
- Replaceable wind cups

Functions

WR-3 is designed to be deployed & used easily. The LCD display screen is large and the user can focus on vital information needed in the application. Users can also configure the display unit easily by pressing a few buttons to select different averaging period and display units.

- Current wind speed
- Maximum wind speed
- Average wind speed (selectable averaging)
- All standard units (knots, m/s, km/h, mph)
- Beaufort bar graph
- Temperature in Celsius or Fahrenheit
- Wind chill - subjective ambient temperature dependent on wind speed
- Sound alarm at exceeded wind speed



Application Areas

- Crane & Lifting Equipment
- Outdoor Venues
- Marine and Offshore
- Aviation Industry
- Agriculture Field

Functions

WR-3 is designed to be deployed & used easily. The LCD display screen is large and user can focus on the vital information needed in the application. Users can also easily configure the display unit by pressing a few buttons to select different averaging periods and display units.

- Current wind speed
- Maximum wind speed
- Average wind speed (selectable averaging)
- All standard units (knots, m/s, km/h, mph)
- Beaufort bar graph
- Temperature in Celsius or Fahrenheit
- Wind chill - subjective ambient temperature dependent on wind speed
- Sound alarm at exceeded wind speed

Technical Specification

Sensors

Wind speed	Range: 0.1...50 m/s
	Resolution: 0.1 m/s
	Accuracy: typ. +/-2%
	Unit: m/s, km/h, knots, mph
Temperature	Range: -30...60° C
	Resolution: 1° C
	Accuracy: +/- 1° C
	Unit: ° C, ° F

Mechanical

Sensor bearings	2 x precision stainless stell ball bearings
Receiver housing	ABS
Receiver dimension	94 x 63 x 28 mm
Sensor housing	Anodized aluminum & PVC
Sensor - cups	ABS
Sensor dimension	240 (H) x 187 mm (cup-to-cup diameter)
Mounting	Sensor mounts on ø20 mm pipe

RF & battery

RF frequency	868 MHz (optional 908 MHz)
Data rate	every 2 seconds
Range	Up to 400 m in open space
Sensor battery	1x 3.6 V AA Lithium battery (included), replaceable
Receiver battery	2 x 1.5 V AA batteries (not included), replaceable
Sensor battery life	4 years
Receiver battery life	5000 hours. 300 hours w/ backlight

Accessories

Spare wind cup, self-leveling sensor mounting bracket, and receiver display mounting bracket can be ordered on demand

SCALE AND CONTROL INC.

888-239-0552 | sales@scaleandcontrol.com | www.scaleandcontrol.com