

200-WS-23-DP Current Loop Wind Sensor with Display

The **200-WS-23-DP Current Loop Wind Sensor** displays wind speed and wind direction on two large 1-inch, 3 ½ digit LCD panel meters visible through the clear front cover of the control unit. Internal circuitry converts each measurement into a 4-20 mA output signal for use by process controls or monitoring systems. An AC adapter is included to power the system.

Features

- Large, easy to read display
- Monitors wind speed and wind direction
- 4-20 mA outputs for speed and direction
- Power supply included



Display Unit / Transmitter Specifications

Display meters	3 ½ digits, 1" (24.9 mm) 7 segment high contrast LCD
Wind Speed Transmitter Output	4 mA = 0 m/s, 20 mA = 50 m/s standard (0-100 MPH scale optional)
Wind Direction Transmitter Output	4 mA = 0 degrees, 20 mA = 360 degrees
Power supply	AC Adapter, 100-240 VAC input / 24 VDC output
Operating temperature range	-10 to +50°C
Storage temperature range	-40 to +75°C
Dimensions	4.75" x 7.875" x 3.00" (121 x 200 x 76 mm)

Wind Speed Sensor

Measurement range	0-112 mph (0-50 m/s)
Speed Constant	1.25 mph = 1 Hz (0.5588 m/s = 1 Hz)
Transducer type	Reed switch
Speed Threshold	0.8 mph (0.4 m/s)
Accuracy	1 mph or ± 3%

Wind Direction Sensor

Range	0-360 degrees azimuth
Transducer type	Potentiometer, 20k ohms, conductive plastic
Potentiometer gap	5 degrees
Azimuth accuracy	± 3 degrees
Threshold	1.2 mph (0.5 m/s)
Bearings	Bushing

General

Anemometer mount	1.07" dia. (27 mm)
Anemometer cable	5 conductor, 24 AWG, shielded, 40' length standard

Ordering Information

200-WS-23-DP Current Loop Wind Sensor with Display (Specify m/s or MPH)