W-14 Cup-type Wind Run Sensor

The W-14 sensor has an internal device that makes electrical contact for each 100 meters of wind run detected by the cup assembly. By connecting the sensor to a recording counter, the number of electrical contacts, or pulses, occurring during a given period of time can be counted. Average wind speed can then be calculated from that figure.

Example: If there are 30 pulses during a 10-minute time span, then 30 pulses × 100 m ÷ 600 s = 5 m/s (10-min average)

APPLICATIONS

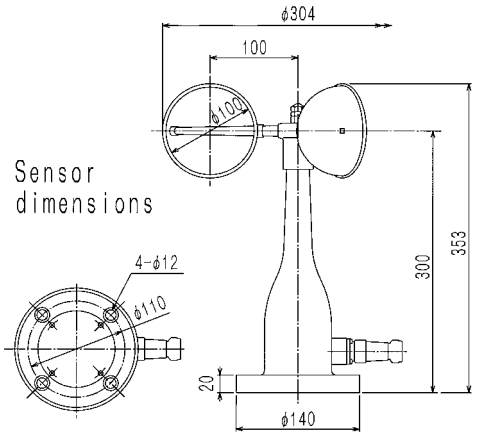
General weather observations, pollutant monitoring, research at schools and universities, etc.

FEATURES

Compact, lightweight, easy to use and maintain, allows remote monitoring

SPECIFICATIONS

Components	
Sensor	cup-type, no-voltage pulse signal output mechanism , 1 pulse/100 m
Measurement range	2-60 m/s
Accuracy	±0.5 m/s at winds ≤10 m/s ±5% at winds >10 m/s
Weatherability	Winds ≥90 m/s
Power	Depends on device receiving signal
Standard components	Sensor only
Size/weight	Approx. 304 mm diam. × 353 mm, 1.0 kg



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