

## W-13 Cup-type Pulse Wind Speed Sensor

The W-13 uses a slit disk that rotates with the cup assembly axis and a photointerrupter to output a pulse signal very nearly proportional to wind speed.



### SPECIFICATIONS

<b>Cup assembly diameter &amp; material</b>	100 mm, polycarbonate resin
<b>Startup threshold</b>	<1.3 m/s
<b>Weatherability</b>	Winds $\geq$ 90 m/s
<b>Output signal</b>	
Signal type	PNP transistor collector output
Receiving end load resistance	$\geq$ 430 $\Omega$ (pulse current approx. 19 mA @ 430 $\Omega$ )
Pulses per rotation	48
<b>Power source</b>	12 V DC
<b>Connectors used</b>	3-pole waterproof Specified cable diameters for connector: 8 mm diam. (for use w/ 7-8.5 mm diam. cable) 10 mm diam. (for use w/ 8.6-10.5 mm diam. cable) 12 mm diam. (for use w/ 10.6-12.5 mm diam. cable)
<b>Size/weight</b>	Approx. 304 mm diam. $\times$ 353 mm, 1.0 kg



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