

# ***WIND GAGE***



# ***INFORMATION***



## WIND GAGE

### INFORMATION

Used with the Calsense irrigation controller to monitor real-time wind speed. Irrigation can be paused and resumed based on operator-set parameters.

The Calsense WG-1 Wind Gage is a durable, quick-response, low starting-threshold, accurate anemometer that meets or exceeds the PSD performance requirements established by the EPA. Exposed components of these sensors are constructed of gold anodized aluminum to retard corrosion and maintain a rugged yet lightweight sensitive assembly. Sealed low-torque ball bearings are employed which make periodic lubrication unnecessary. Transmitters are designed to be as sensitive as possible to light winds yet strong enough to withstand winds of hurricane force. Long trouble-free operation is characteristic of these transmitters, even when exposed to extremes of heat, cold, salt water environment, etc. The basic

unit has been extensively time-proven by over twenty years of highly diversified use.

The anemometer shaft is directly connected to a 60-slot disk which when rotated interrupts the inferred beam produced by light emitting diode (LED). The interrupted signal is detected by a photo-sensitive transistor located on the opposite side of the disk. This configuration of components makes possible a highly reliable and maintenance-free solid state tachometer which uses no brushes or contacts. Since there is no frictional coupling, drag is kept to a minimum assuring a low-mechanical threshold. The output signal of the sensor is a pulse train whose repetition rate is linearly proportional to wind speed.

The wind gage is powered from and read by the Calsense -WG interface board. The - WG interface is a factory-installed internal board. Systems are factory calibrated and do not require additional adjustments.

For optimal performance, bearing replacement is recommended at three to five year intervals depending on environmental conditions.



**2075 Corte del Nogal, Suite P, Carlsbad CA 92011**  
**1-(800)-572-8608 FAX: 1-(760)-438-2619**  
**[www.calsense.com](http://www.calsense.com)**

Stock Number: PG1-WG-A

Rev. 11/11