

Wind Speed Transmitter  
Model 1250C



Crane Wind Alarm Console



Aerovane® Wind Speed  
Transmitter Model 122

## Crane Wind Alarm Model 6114

- Cranes and warn of unsafe operating conditions designed to monitor wind loads on conditions
- Built for use in severe environments
- Flashing red light warns of winds which exceed present limits
- Siren sounds when wind exceeds a pre-set upper limit
- Variable pre-alarm delay prevents „FALSE“ alarms due to wind gusts
- Test switch provides quick operational check
- Meets OSHA regulations for crane safety

OSHA Regulations for maritime construction and general industry, require each rail mounted bridge and portal crane located outside of an enclosed structure to be fitted with an operable wind indicating device. The Model 6114 crane wind alarm system meets these requirements.

Wind speed is detected by a Model 122 Aerovane® or a Model 1250C, 3-Cup anemometer, installed on the crane or a nearby structure. They provide a voltage output proportional to wind speed. This voltage is fed to the wind alarm console mounted on a bulkhead inside the crane cab for easy viewing by the operator. The wind alarm panel on the console includes the following:

- Wind Speed Indicator
- Red Caution Light
- Stop-Operation Horn
- Alarm Test Switch
- Brake Test Switch
- High Test Point Switch
- Low Test Point Switch

A built-in time delay, variable from 0-45 seconds, can be set to prevent very short duration gusts from causing false alarms.

In the event an alarm occurs, the operate-with- caution red light begins to flash. Then, if the preset danger level is reached, the stop-operation horn will blow, telling the crane operator to secure the crane, stop operation and seek shelter. If additional connections are made, the alarm can cause a remote warning light to flash, sound a remote horn or siren, and automatically actuate the crane brakes to prevent the crane from rolling.

### Specifications

**Range:** 0-100mph (0-45m/sec)  
**Accuracy:** ±2% full scale

**Starting Threshold:**  
**Model 122:** 3.8mph(1.7m/sec)  
**Model 1250C:** 1.5mph(0.7m/sec)

**Input Signal:**  
**Model 122:** 10.56VDC at 100mph  
**Model 1250:** 4.00VDC at 100mph

**Input Impedance:**  
**Model 6114:** 1150 ohms  
**Model 6114-1:** 428.6 ohms

**Output:** Contacts for brake signal  
**Contact Rating:** 10 Amperes resistive, 115 VAC  
**Pre-Alarm Delay:** Adjustable 1 to 45 seconds  
**Power requirements:** Non-Alarm: 115 VAC, 0.5 Amperes, 60 Watts  
Full Alarm: 115 VAC, 1.5 Amp, 180 Watts Max

**Dimensions:** (Console only): 7.5"H x 8.5"W x 7.5"D (19 x 21.6 x 19cm)  
**Weight:** (Console only): 9lbs.(4kg)

**Shipping weight:** Model 6114: 47lbs.(21kg)  
Model 6114-1: 54lbs.(24.5kg)

Catalog No. / Katalog-Nr.	Description / Beschreibung	Weight/ea	VPE/Pack	U/M	EDP-No.
<b>Ordering Information:</b>					
2420787-1	<b>Model 6114-1</b> Includes Model 122 Aerovane, Mast adapter, alarm console (2419496-1) external siren and 50' (15.24m) of cable	1		ea	
2420787-2	<b>Model 6114-2</b> Includes Model 1250C, alarm console (2419496-2) external siren and 50' (15.24m) of cable	1		ea	
2419496-1	Alarm console only for use with Model 122 Aerovane	1		ea	
2419496-2	Alarm console only for use with Model 1250C	1		ea	