

Advanced Integrated Wind Speed Monitoring For Cranes

The InCrane system is a fully integrated WINDCRANE device to be installed as part of the cranes electrical system.



WINDCRANE InCrane provides multiple advanced features beyond wind speed measurement. For example it can measure temperature and monitor if the crane is operating on top of recording the cranes wind speed.

InCrane can use an independent anemometer to measure the wind speed or it can interface with the existing crane anemometers, making it possible to re-utilise the existing crane wind speed equipment with minimum installation.

WINDCRANE can also be interfaced to (optional) outdoor alarm boxes with two stage light signs and an audible siren for safety awareness onsite.



4 x Anemometer Inputs

- 2 x Opto isolated 8-24V
- 2 x Opto isolated 10-20mA current pulse
- 4 x Volt-free contact (open collector)
- 4 x Low voltage sine wave
- 1 x counter mode
- Compatible with most crane market anemometers

2 x Wind Vane Inputs

- Linear potentiometer type

4 x Analogue Inputs

- 0 to 10Vdc
- 0 to 3.3Vdc
- 0 to 20mA (or 4 to 20mA)
- Typical usage is for temperature, power usage...

2 x Outputs

- Open collector, 500mA max, 30V max
- Optional alarm box with 2 x lights and sound buzzer.

1 x RS232

- GPS, Display, etc...

Internal Sensors

- Temperature:** -40°C to +85°C, 0.1°C resolution, +/-1% accuracy
- Humidity:** 0 - 100% RH, 1% resolution, +/-3% accuracy
- Barometric pressure:** 500mBar to 1,100mBar, 0.01mBar resolution, +/-4hPa accuracy
- Supply voltage:** 9Vdc to 28Vdc

Power

- 9Vdc to 28Vdc, nominal 12Vdc or 24Vdc
- Typical consumption 5mA at 24Vdc
- AUX supply output for small accessories 350mA max

Enclosure

- Standard DIN rail mount
- 9 DIN module (160mm)

