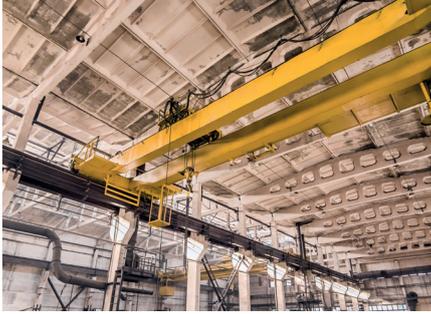


The safety relay for your crane monitoring



Crane monitoring

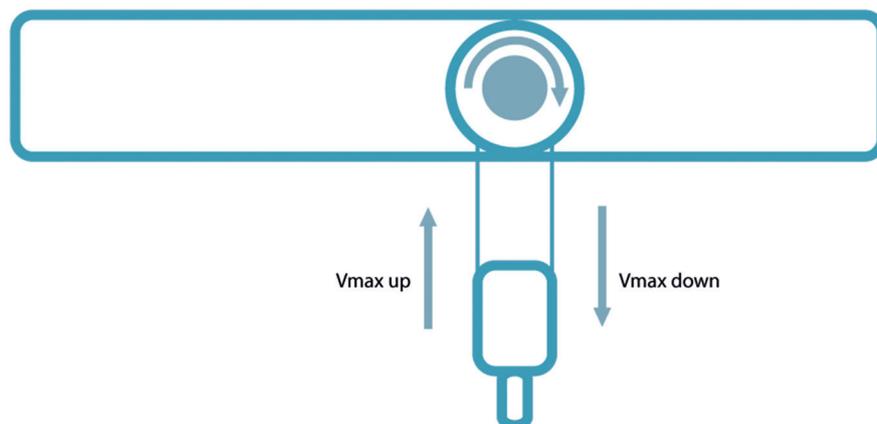


With 40 years of experience in safety automation, motrona offers professional support in monitoring your crane system. No matter whether **tower**, **overhead** or **gantry crane**, with our DS series you can safely monitor every crane model. Our safety relays are successfully used in new crane construction as well as in the retrofit area. The autonomous use of the speed monitor ensures that the highest safety standards are fulfilled.

Various functions can be monitored with a security level of SIL3 / PLe, including:

- Winding and unwinding speed
- Direction of rotation
- Standstill and drift of the hoist rope

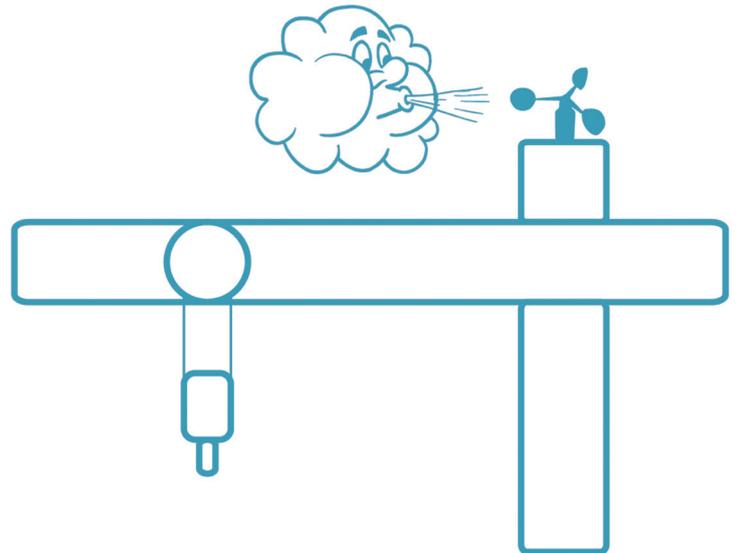
Different limit values are selectable, depending on the inclination angle of the crane arm.



Wind monitoring



Especially with tower cranes, **monitoring** the **wind speed** is a basic requirement of the safety concept. The spectrum ranges from the inexpensive version with only one wind sensor to the redundant version with two wind sensors. Depending on the requirements, the safety speed monitors and wind detectors can reach a safety level up to SIL3 / PLe with **analog** as well as **digital** anemometers.



Safety Relay DS250

- Suitable for HTL, TTL and SinCos sensors
- 2 synchronous safe relay outputs (NO)
- Safe analog output 4 ... 20 mA



Wind guard AX350

- Freely programmable limit values
- 2 limit relays
- Scalable analog output 4 ... 20 mA / 0 ... 10 V



Please contact us without obligation!