GIGASENSE

Vision ZERO accidents in the industry

Keeping people and equipment safe since 1951

AMU - ANGLE MEASUREMENT

Seamlessly integrating with the Gigasense CSM system, the AMU sensor provides invaluable angle measurement capabilities for both wire ropes and crane booms. This additional layer of monitoring complements overload protection, ensuring optimal safety and performance.

Quality | Maintenance free | Robust | Plug & Play

AMU - ANGLE MEASUREMENT

Range of application

The AMU sensor regulates angles within set limits, ensuring safe operation and minimizing overextension risks. When combined with force measurement, it adjusts load acceptance by the CSM, reducing wire rope wear. As crane boom or wire rope angles change, the AMU sensor collaborates with the force transmitter to optimize safety and extend wire rope lifespan.

Function

Conveniently configure settings within the Crane Safety Monitor unit, setting angle-specific breaking values tailored to your lifting operation's needs. Choose force dependency options as required. Fine-tune with compensation curves for precise angle and force control, dynamically adjusting breaking values for optimal overload protection. The CSM 8:7xx intelligently adapts to angle variations, enhancing safety and efficiency in all lifting scenarios.

Whether you need to monitor the angle of the wire rope or crane boom, the AMU sensor provides accurate measurements, complementing your overload protection system seamlessly.

Safety

With the AMU sensor in place, safety is paramount. By preventing excessive angles and stresses, it safeguards both equipment and personnel, minimizing the risk of accidents and downtime.

In case of a CAN bus interruption between the CSM 8:7xx and the AMU sensor, the CSM promptly alerts by putting the designated limits into an alarm state. Multiple AMU sensors can be seamlessly connected to a single CSM 8:7xx unit for enhanced monitoring capabilities.

Technical data

Mains supply voltage
24 VDC,maximum 50mA
supplied by CSM unit

Temperature range
-20°C to +70°C
-4°F to +158°F

Angle parameters
F-angle 0 ± 90°
S-angle 0 ± 90°
A-angle 0 ± 90°

Resolution
Angle 0,1°

Mounting
Attached directly
On wire rope Ø 5-44mm (0.2–1.73 inch)
Or on the crane boom

Protection class
IP 65

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GIGASENSE

Gigasense products within Force Measurement and Crane Safety are well known high quality products, built from many years' experience and used by leading heavy duty industry around the world.

Gigasense products meet the highest demands of performance level requirements.

Gigasense are represented by selected local distributors in more than 30 countries on six continents.