CRANE SENTRY®

Why Hoist Monitoring?

Offers continuous hoist monitoring and real-time alerts, minimizes downtime and optimizes personnel and equipment safety conditions in one advanced package.

Keeping Your Crane Operations Safe

Full features on an Advanced Wire Rope Hoist Monitoring package include:

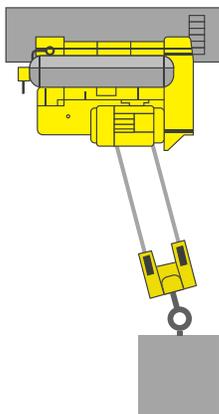| 01	02	03	04
Side Pull Detection	**Snag Detection**	**Hoist Centering**	**Slack Rope Detection**
Standard omnidirectional side pull detection and alarm relay outputs.	Snag detection while running the hook up at transport height.	Add certainty that the hoist is centered over load with user assist hoist positioning.	Detect a zero load on hoist and disable side pull detection.

A Complete Solution

- ➔ Omnidirectional (combination of X, Y) side pull detection
- ➔ Optional Adaptive Hoist Sensing Technology for weighting limits on side pull in x and y axis
- ➔ Snag detection when hoist has been raised
- ➔ Manual hook centering: Option to disable relays for hoist and bridge/trolley direction
- ➔ Advanced event logging
- ➔ Relays for disabling motion or setting off an alarm

Laser-View Technologies
Smart non-contact measurement solutions

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Why use Advanced Wire Rope Hoist Monitoring Solutions?

As the first in our path of next generation of advanced safety systems, our Advanced Wire Rope Hoist Monitor offers a comprehensive solution for your crane operation needs. It offers the safety, reliability, and high performance of our crane sentry side pull monitoring while providing continuous performance updates and more in a single package. Advanced Wire Rope Hoist Monitor includes advanced features to keep crane operations safe:

⊙ Excessive side pull detection and alerts enhance personnel safety and prevents hoist and equipment damage

⊙ Real-time update as your equipment is being used so you can stay up to date on their performance

⊙ Avoid downtime with reliable operations and ensure every part of your crane and hoist is running smoothly

⊙ Take control of your equipment from anywhere with remote access via iOS or Android for configuration

ADVANCED WIRE ROPE HOIST MONITORING SPECIFICATIONS

CONTROL SPECIFICATIONS	
Power Requirement	2.5 A @ 110 VAC
Number of Outputs	8 (Standard Configuration)
Relay Output Type	SPST NO/NC; rated for 100k operations at max load
Rated Current	8A max per output
Rated Voltage	250 VAC
Graphic Display Type	TFT LCD display
Operating Temp (Control Box)	0°C to 50°C
Storage Temp	-20°C to 60°C
Memory Backup	7 years typical at 25°C
Ingress Protection	IP65
Enclosure Material	Polycarbonate
SENSOR SPECIFICATIONS	
Max Measuring Range	+/- 90° per axis
Measuring Axis	Output = Omnidirectional (combination of X and Y)
Operating Temp	-40°C to 85°C
Ingress Protection	IP67
Sensor Assembly	Fits wire ropes sizes 5-20mm

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