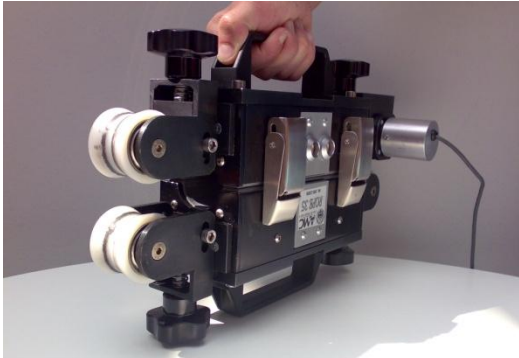


Wire Rope Inspection & Monitoring System



Magnetic NDT of wire rope is a recognized method in regular use for inspection in deep mines and cableways for a better part of three decades.

Water Weights with over 25 years experience in the crane industry possess extensive knowledge of customer requirements. Building on this experience, we have developed with key partners a line of wire rope monitoring products for permanent installation, or portable inspection on cranes.



Condition Monitoring

Permanently installed on cranes, elevators, & cableways, the system allows constant monitoring and data logging of the wire rope condition, allowing for trending and establishing predictive maintenance schedules. The process eliminates downtime for unexpected activities such as rope replacement, and helps the budget by only replacing the wire rope when necessary or during planned maintenance schedules.



Periodic Testing

The system is portable and lightweight enabling use during planned inspections and maintenance periods.

The system uses a method based on the magnetization of the wire rope, detecting discontinuity such as broken wires or corrosion pits through special sensors as the rope passes through the device.

It is a dual function device, detecting both local faults (LF) and total change of metallic area (LMA) such as missing wires, continued corrosion, and abrasion not readily identified through visual inspection.

With it's global presence expanding, Water Weights provide products and services aimed at optimizing lifespan and performance of critical lifting equipment.

Our systems provide real time measurement of critical components to support the daily operation and long term maintenance of cranes.





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All devices are certified in accordance with UNI EN 12927/8

