

AMC INSTRUMENTS

Lifting Solutions Group
Axel Johnson International

NON DESTRUCTIVE TESTING SYSTEM FOR METALLIC ROPES



AMC Instruments designs, manufactures and sells NDT systems for ropes and metal manufactures.

AMC produces customized instruments for lifting (ROPE, ROPEX), cableways (OPEN) and elevator (LIFTLC, BELT) sectors.

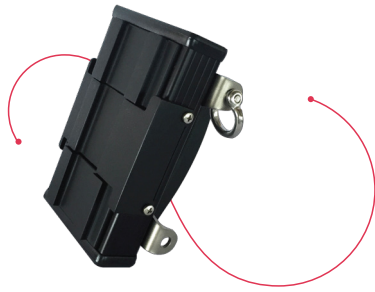
The device allows a simple, quick, objective and safe NDT inspection of metallic ropes, detecting internal and external defects.

The system is composed by a detector connected to an

acquisition unit allowing real-time visualization and data storage.

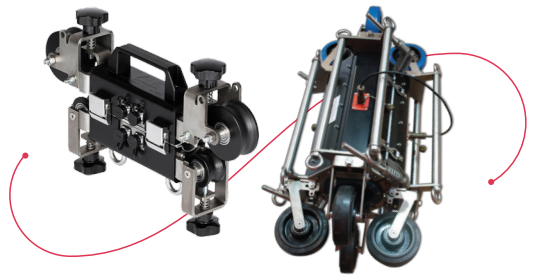
The operating principle is based on magneto-inductive method which is mandatory (EN12927) for non-destructive tests in cableways sector and it is regulated (ISO4309) in the lifting one.

AMC systems are certified due to the European standard EN12927/8.



BELT

Designed for checking belts in the elevator sector.
Number of belts monitored simultaneously: up to 2
Belt width: up to 50 mm
Acquisition system: DLH



ROPE - ROPEX

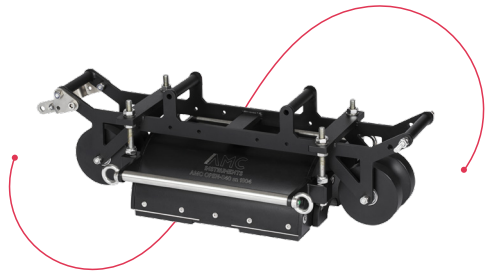
ROPE: designed for checking cableway and goods lifting ropes.
Rope diameters: up to 90 mm
Acquisition system: IASH

ROPEX: designed for checking ropes in the offshore sector.
Diameters range: from 90 to 170 mm
Acquisition system: IASH



LIFTLC

Designed for simultaneously monitoring small diameter ropes for the elevator sector.
Number of ropes monitored simultaneously: up to 7
Controlled diameter: up to 14 mm
Acquisition system: DLH



OPEN

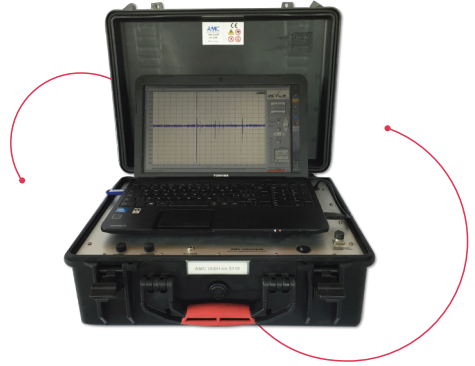
Designed for checking cableways ropes.
Controlled diameters: up to 82 mm
Acquisition system: IASH



DLH

MOBILE ACQUISITION UNIT

Portable acquisition unit for storing data in a SD card.
A specific AMC software is used to processing the acquired data. con un apposito software AMC.



IASH

MOBILE ACQUISITION AND PROCESSING UNIT

Professional transport case containing an acquisition system and a computer for data processing.
The system can visualize, store and create test reports.



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