

INTROS MH 100-175

The only MRT equipment in the world
for inspection of ropes up to 175 mm in diameter



- Rugged to use in severe marine environment
- Inspects tightly packed multi-strand and spiral ropes
- High LMA measuring accuracy
- High sensitivity for inner and outer LF
- New enhanced basic unit

Wire ropes for offshore heavy lifting usually have large diameter, and their length may exceed 2000 m. These high-value ropes may have multi-strand construction, and require proper non-destructive inspection in order to extend their safe operation as long as possible. Based on long time experience with magnetic rope testing, Intron Plus has recently developed equipment for inspection of wire ropes with diameter up to 175 mm for a wide variety of applications.

The equipment comprises magnetic head MH 100-175 and newly designed basic unit, and enables accurate measurement of loss of metallic area (LMA), i.e. corrosion, including corrosion pitting, abrasion, and detection of inner and outer broken wires (LF).

MH 100-175 is mounted on the rope by means of roller frame with aligning wheels enabling smooth moving during inspection. Grease, marine growth, plastic sheathing and filling do not obstruct reading.

Principle of operation	Magnetic flux leakage
Diameter of ropes	From 100 to 175 mm
Speed of inspection	From 0.2 to 1.5 m/s
Inspection parameters	LMA and LF
Ambient temperature	From -10 to +50° C
Ingress protection for magnetic head	IP65
Ingress protection for basic unit	IP65
Length of connecting cable	30 m
Data logger memory capacity	4 Gb

