

SPOTLIGHT ● Magnetic Flux Leakage Testing

Wire Rope Tester

Intron Plus has launched the Intros for magnetic rope testing of the wire ropes up to 175 mm (6.9 in.) in diameter. The instrument is based on a magnetic flux leakage principle of operation, and comprises magnetic head MH 100-175, a newly designed enhanced basic unit, and the latest software Wintros for data processing. The Intros enables accurate measurement of loss of metallic area, that is, corrosion, including corrosion pitting, friction, and detection of inner and outer broken wires. The instrument design conforms to ingress protection *IP65* and is appropriate for inspection of high value, tightly packed, multi-strand, and spiral ropes in severe marine environments. The MH 100-175 is mounted on the rope by means of a roller frame with aligning wheels, enabling smooth movement during inspection at speeds from 0.2 to 1.5 m/s (0.7 to 4.9 ft) at ambient temperatures from -10 to $+50$ °C (14 to 122 °F). Grease, marine growth, plastic sheathing, and filling do not obstruct the reading.

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