

ROPEX

MAGNETO-INDUCTIVE DEVICE
FOR NDT OF WIRE ROPES



DETECTOR:

ROPEX weight range:
from 90 to 200 kg
Max n° ropes: 1
Range rope diameter:
from 90 to 170 mm

DEVICE FEATURES:

Magnetic field source:
Permanent magnets (NdFeB)
Sensor Type: Multi coils
Measured signal: 5 LF channels

PERFORMANCE:

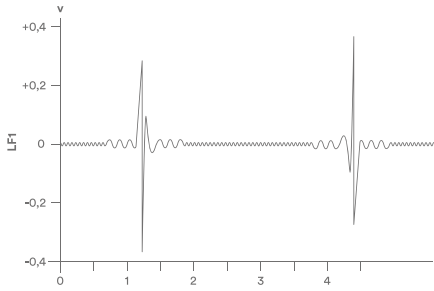
Defect resolution: 0.5%
Certified according to ASTM1571

ACQUISITION SYSTEM IASH:

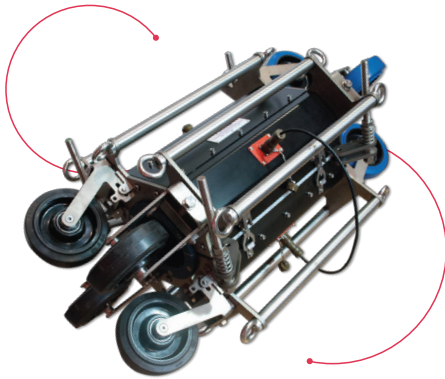
Sampling rate per channel:
up to 5 kS/s
Resolution: 14 bits
Max number of acquirable channels: 6
Battery voltage: 12 Vdc
Indicative battery autonomy IASH
in continuous operation: 24 hours.
Battery charging IASH:
230 Vac - 50 Hz.
Software: AMC_R&L_MONITOR

OTHER FEATURES:

Operating temperature:
-20 °C + 50 °C
Transport accessories:
Professional case



LF signal



ROPEX detector



IASH acquisition system

AMC ROPEX checks large diameters ropes for naval and offshore sectors. Detectors are equipped with a 8 wheels centering system to minimize oscillation and signal noise. ROPEX detects internal and external broken wires in a simple, quick, safe and efficient way according to ISO 4309.

The device performs magneto-inductive test and it is connected to an acquisition system (IASH) which displays real-time signals and store the data in order to create test reports.

ROPEX uses an innovative multichannel sensor to provide information about the position and depth of the defect.

ROPEX range for large diameters is certified according to ASTM1571.

AMC Instruments s.r.l.

Operative headquarters:
Via Pietro Nenni 79/E
10036 Settimo Torinese (TO) Italy
+39 011 0378820-1

Registered headquarters:
Corso Giacomo Matteotti 36
10121 Torino (TO) Italy

info@aemmeci.com
www.aemmeci.com