ROPE 22

Device able to perform Non-Destructive-Test on wire ropes with diameter ranging from 6 to 22 mm.

The device works only on ferromagnetic ropes.

The system allows to measure the LF & LMA Signal, detecting internal and external flaws, such as broken wires, corrosions, wear and fretting fatigue.

WEIGHT	8 kg
DIMENSIONS	30 × 30 × 20 cm
IP	66
NUMBER OF ROPES CHECKED AT THE SAME TIME	1
ENCODER & CENTERING SYSTEM	On request (suggested for cableways and zipline)
CERTIFIABLE UNDER THE EN12927	Yes

SENSORS KIT

STANDARD RANGE	22 – 14 mm
MIN ROPE DIAMETER (WITH A REDUCTION KIT)	6 mm
NUMBER OF REDUCTION KIT	1

INSTRUMENT CHARACTERISTICS

FIELD SOURCE	Permanent magnets (NdFeB)
SENSOR TYPE	Coils; Hall Effect Sensors
SIGNAL TYPE	LF; LMA (on request)
SIGNAL ACCURACY	In accordance with EN12927
TEST SPEED MAX 0,02 – 30 m/s	Standard range, speed higher than 8 m/s on request

ROPE 28

Device able to perform Non-Destructive-Test on wire ropes with diameter ranging from 6 to 28 mm.

The device works only on ferromagnetic ropes.

The system allows to measure the LF & LMA Signal, detecting internal and external flaws, such as broken wires, corrosions, wear and fretting fatigue.

WEIGHT	10 kg
DIMENSIONS	40 × 40 × 20 cm
IP	66
NUMBER OF ROPES CHECKED AT THE SAME TIME	1
ENCODER & CENTERING SYSTEM	On request (suggested for cableways and zipline)
CERTIFIABLE UNDER THE EN12927	Yes

SENSORS KIT

STANDARD RANGE	28 — 18 mm
MIN ROPE DIAMETER (WITH A REDUCTION KIT)	6 mm
NUMBER OF REDUCTION KIT	2

INSTRUMENT CHARACTERISTICS

FIELD SOURCE	Permanent magnets (NdFeB)
SENSOR TYPE	Coils; Hall Effect Sensors
SIGNAL TYPE	LF; LMA (on request)
SIGNAL ACCURACY	In accordance with EN12927
TEST SPEED MAX 0,02 — 30 m/s	Standard range, speed higher than 8 m/s on request

ROPE 40

AMC_ROPE 40 device, able to perform Non-Destructive-Tests on wire ropes with diameter ranging from 22 to 40 mm. The device works on ferromagnetic ropes.

The system allows to measure the LF & LMA Signal, detecting internal and external flaws, such as broken wires, corrosions, wear and fretting fatigue.

Main characteristics of our device are:

- device internal Rope Centering System (mechanically guided by wheels) that improves signal quality and friction reduction in the bushings;
- presence of a fully integrated Encoder system that localizes the flaw.

WEIGHT	20 kg
DIMENSIONS	46 × 28 × 12 cm
IP	66
NUMBER OF ROPES CHECKED AT THE SAME TIME	1
ENCODER & CENTERING SYSTEM	Included
CERTIFIABLE UNDER THE EN12927	Yes

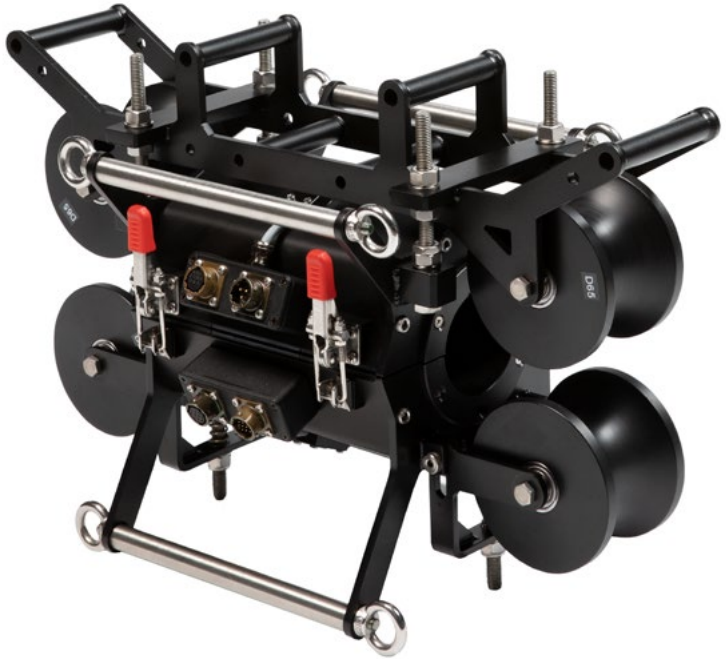
SENSORS KIT

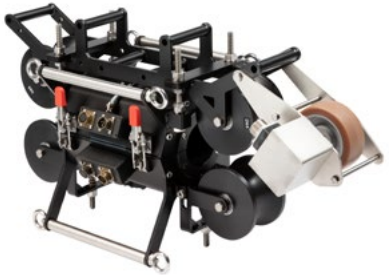
STANDARD RANGE	40 mm
MIN ROPE DIAMETER	20 mm
NUMBER OF BUSHING KIT	2

INSTRUMENT CHARACTERISTICS

FIELD SOURCE	Permanent magnets (NdFeB)
SENSOR TYPE	Coils; Hall Effect Sensors
SIGNAL TYPE	LF; LMA (on request)
SIGNAL ACCURACY	In accordance with EN12927
TEST SPEED MAX 0,02 – 30 m/s	Standard range, speed higher than 8 m/s on request

ROPE 65





AMC_ROPE 65 device, able to perform Non-Destructive-Tests on wire ropes with diameter ranging from 20 to 65 mm. The device works on ferromagnetic ropes.

The system allows to measure the LF & LMA Signal, detecting internal and external flaws, such as broken wires, corrosions, wear and fretting fatigue.

Main characteristics of our device are:

- device internal Rope Centering System (mechanically guided by wheels) that improves signal quality and friction reduction in the bushings;
- presence of a fully integrated Encoder system that localizes the flaw.

WEIGHT	32 kg
DIMENSIONS	75 × 55 × 45 cm
IP	66
NUMBER OF ROPES CHECKED AT THE SAME TIME	1
ENCODER & CENTERING SYSTEM	Included
CERTIFIABLE UNDER THE EN12927	Yes

SENSORS KIT

STANDARD RANGE	65 – 40 mm
MIN ROPE DIAMETER	20 mm
NUMBER OF BUSHING KIT	2

INSTRUMENT CHARACTERISTICS

FIELD SOURCE	Permanent magnets (NdFeB)
SENSOR TYPE	Coils; Hall Effect Sensors
SIGNAL TYPE	LF; LMA (on request)
SIGNAL ACCURACY	In accordance with EN12927
TEST SPEED MAX 0,02 – 10 m/s	Standard range, speed higher than 8 m/s on request

ROPE 80

AMC_ROPE 80 device, able to perform Non-Destructive-Tests on wire ropes with diameter ranging from 60 to 80 mm. The device works on ferromagnetic ropes.

The system allows to measure the LF & LMA Signal, detecting internal and external flaws, such as broken wires, corrosions, wear and fretting fatigue.

Main characteristics of our device are:

- digitally acquired LF & LMA Signal;
- device internal Rope Centering System (mechanically guided by wheels) that improves signal quality and friction reduction in the bushings;
- presence of a fully integrated Encoder system that localizes the flaw.

WEIGHT	55 kg
DIMENSIONS	60 × 32 × 40 cm
IP	66
NUMBER OF ROPES CHECKED AT THE SAME TIME	1
ENCODER & CENTERING SYSTEM	Included
CERTIFIABLE UNDER THE EN12927	Yes

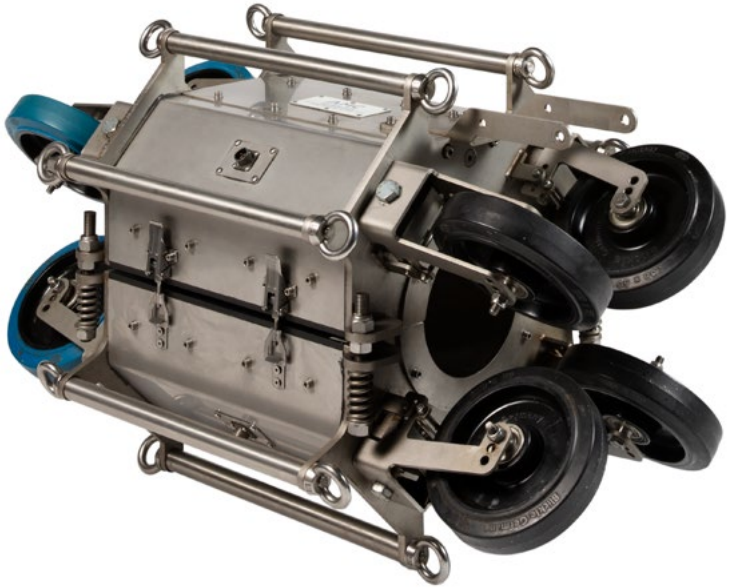
SENSORS KIT

STANDARD RANGE	80 mm
MIN ROPE DIAMETER	40 mm
NUMBER OF BUSHING KIT	2

INSTRUMENT CHARACTERISTICS

FIELD SOURCE	Permanent magnets (NdFeB)
SENSOR TYPE	Coils; Hall Effect Sensors
SIGNAL TYPE	LF; LMA (on request)
SIGNAL ACCURACY	In accordance with EN12927
TEST SPEED MAX 0,02 – 8 m/s	Standard range, speed higher than 8 m/s on request

ROPE 170-130-110



AMC_ROPE 170-130-110 device, able to perform Non-Destructive-Tests on wire ropes with diameter ranging from 90 to 170 mm. The device works on ferromagnetic ropes.

The system allows to measure the LF & LMA Signal, detecting internal and external flaws, such as broken wires, corrosions, wear and fretting fatigue.

Main characteristics of our device are:

- digitally acquired LF & LMA Signal;
- Rope Centering System (mechanically guided by wheels) that improves signal quality and friction reduction in the bushings;
- presence of a fully integrated Encoder system that localizes the flaw.

WEIGHT	200 kg
DIMENSIONS	985 × 550 × 520 cm
IP	66
NUMBER OF ROPES CHECKED AT THE SAME TIME	1
ENCODER & CENTERING SYSTEM	Included
CERTIFIABLE UNDER THE EN12927	Yes, up to 120 mm (maximum diameter certifiable)

SENSORS KIT

STANDARD RANGE	170 – 130 – 110 mm
MIN ROPE DIAMETER	90 mm
NUMBER OF BUSHING KIT	Depending on the upper diameter

INSTRUMENT CHARACTERISTICS

FIELD SOURCE	Permanent magnets (NdFeB)
SENSOR TYPE	Coils; Hall Effect Sensors
SIGNAL TYPE	LF; LMA (on request)
SIGNAL ACCURACY	In accordance with EN12927 & ASTM E1571
TEST SPEED MAX 0,05 – 8 m/s	Standard range, speed higher than 8 m/s on request