RCKE Tester

- **High accuracy**
- **Certified ISO 17025 standards**
- **Measurements on long cables**
- **Compact design**
- **Very easy to operate**

ISO 17025 ACCREDITED

This RCKE testing system is especially developed for the intermediate testing of long distance pairs and quads intended to be assembled in more complex cables. The performance of the twisting-machines can thus be controlled at regular intervals and this allows monitoring the manufacturing quality of the cable by analysing the development of the measured low frequency parameters.

The system is controlled through a 6.5'' touchscreen and intuitive and user-friendly software.

The LF parameters measuring technology provides a self-calibration. It is designed to test pairs and quads. Three measuring frequencies are integrated in the capacitance bridge allowing measurements at 12.5Hz, 125Hz and 800Hz (1000Hz).
Lynx accepts two monopliers for double end measurements (long cables). Please see in the Options section for more information.

Delivery package	- One main unit type AESA Lynx - One monoplier RC 2m with self-cutting knives - One power cord - One operating manual
Article No:	17.9100.0001.0

Specifications

Description	Designation for pairs	Designation for quads	Accuracy	Scale
Conductor resistance	Ra, Rb	Ra, Rb Rc, Rd	± 0,1% + 10 mΩ	0 - 20000 Ω
Loop resistance	R	R1, R2		
Resistance unbalance	DR	DR1, DR2, DR3	Computed	%, Ω
Capacitance	C	C1, C2, C3	± 0,25% ± 10pF at 800 Hz ± 0,25% ± 10pF at 125 Hz ± 0,25% ± 50pF at 12,5Hz	0 – 600nF 0 – 2000nF 0 – 5000nF
Capacitance unbalance	K	K1 – K3	± 1% ± 6pF at 800 Hz ± 1% ± 3pF at 125 Hz ± 1% ± 30pF at 12,5 Hz	0 – 20nF 0 – 20nF 0 – 200nF
Capacitance unbalance to ground	Ei, Ea, E	Ei1-Ei3 Ea1-Ea3 E1-E3		

Notice: The given accuracies are worst cases. Typical accuracy is twice better as specified.

Options

➢ *Set of 5 standards (resist. & capacit.) type AESA 9000*

Article No: 45.9000.0001.0

Complete ISO 17025 certified LF calibration standards.

The kit of certified LF calibration standards is composed of:

- **Standard type 9001**
  C1,2 with 19,20 nF ± 0,1 % ± 30 ppM/°C
- **Standard type 9002**
  C1,2 with 192,0 nF ± 0,1 % ± 30 ppM/°C
- **Standard type 9003**
  C3 with 16,00 nF ± 0,1 % ± 30 ppM/°C
  K1, K2, K3 with 16000 pF ± 0,1 % ± 30 ppM/°C
- **Standard type 9004**
  E1, E2, E3 with 12000 pF ± 0,1 % ± 30 ppM/°C
- **Standard type 9005**
  RA, RD with 192 Ω ± 0,01 % ± 2 ppM/°C
  RB, RC with 1920 Ω ± 0,01 % ± 2 ppM/°C

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➢ *Additional RC monoplier*

Article No: 50.0001.0008.0

. Lynx accepts a second monoplier (optional) also equipped with self-cutting knives. It makes possible the simultaneous connection of both ends (Near & Far) of the cable under test with two main advantages. The RCKE parameters are measured without any specific preparation (short/open).The maximum measurable cable length can be doubled

➢ *Sticker printer type QL-570*

Article No: 51.0500.0013.0

aesa

Numéro Id	U72
Opérateur	AESA
Température	24.00
Longueur du câble	167
Fréquence	800
Date	10.06.2010 16:46
Remarque	test

Ra	Rb	Rc	Rd	R1	R2	DR1	DR2
Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	%	%
14.672	14.685	14.687	14.636	29.359	29.324	0.047	-0.17
C1	C2	K1	K2	K3	E1	E2	E3
nF	nF	pF	pF	pF	pF	pF	pF
10.414	10.399	-62	72	-104	88	-88	-90

This printer is directly connected to the USB port of the Lynx. It allows printing stickers.