

AK-6

Relay testing equipment



Five test modules with 3×35 A and 4×300 V in a field-ready case

AK-6

Three-phase relay test set

amperis

www.amperis.com

 C/ María Barbeito, 14
27003, Lugo, Spain

 Contact

T [+34] 982 20 99 20
info@amperis.com | www.amperis.com

Field-convenient three-phase relay testing with an all-in-one Windows CE design.

Product overview



Front panel and integrated display

Field testing without a laptop

The AK-6 is a three-phase relay test set with an AC and DC voltage source, high-power current burden and AC/DC auxiliary supplies, in an all-in-one design with a built-in Windows CE system, a 6.4-inch TFT display, panel keyboard and rotary encoder. It runs automatically or manually across its five test modules — DC test, AC test, distance test, harmonic test and frequency protection — with RJ45 and USB for updates and data transfer.

High power, high accuracy

The unit provides 4×300 V (4×110 VA at 0-300 V) and 3×35 A (3×450 VA at 0-35 A) for medium-voltage level tests, with a guaranteed accuracy of 0.07 % of reading plus 0.03 % of range at 0-130 V and a frequency range up to 1000 Hz. Amplitude, frequency and phase are independently and continuously adjustable.

Main features

- All-in-one design with Windows CE, 6.4-inch TFT, keyboard and rotary encoder.
- Five test modules: DC, AC, distance, harmonic and frequency.
- Complete self-protection against wrong wiring, short circuit and overload.
- Field-ready: the instrument can be placed vertically to save space.
- RJ45 and USB ports for firmware updates and data transfer.
- Lightweight design for on-site work.



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Applications and delivery

Applications

- Testing of protection relays at medium-voltage level.
- Distance, harmonic and frequency protection testing.
- DC and AC injection with time measurement.
- On-site commissioning and periodic maintenance.

Ready for the field

The AK-6 combines high burden with a compact, lightweight case, complete alarm indication against wrong wiring, open or short circuit, overheating and overload, and the option to work vertically where bench space is limited.



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AK-6 – TECHNICAL SPECIFICATIONS

Design	All-in-one; Windows CE, 6.4-inch TFT, keyboard and rotary encoder
Test modules	DC, AC, distance, harmonic and frequency
Voltage output	4×300 V (L-N); 4×110 VA at 0-300 V; 2×600 V (L-L)
Current output	3×35 A (L-N); 3×450 VA at 0-35 A
Voltage accuracy	0.07 % rd + 0.03 % rg guaranteed at 0-130 V
Frequency	0-1000 Hz; resolution 0.001 Hz
Phase	-360° to +360°; accuracy < 0.2°
DC source	0-300 V / 180 W; 0-20 A / 300 W (60 A, 3 L-N)
Protection	Wrong wiring, open/short circuit, overheat and overload
Connectivity	RJ45 Ethernet and USB for updates and data transfer



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