

VIPO-85

Switch testing equipment



PASS/FAIL verdict on vacuum interrupters up to 85 kV DC

VIPO-85

85 kV vacuum interrupter tester and DC hipot

amperis

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Quick, safe integrity testing of vacuum interrupters following ANSI/IEEE DC methods.

Product overview



Instrument and leads inside the transport case

The vacuum bottle, verified in minutes

The VIPO-85 applies a regulated DC voltage of 1 to 85 kV, in 1 kV steps, to the vacuum interrupter and measures the leakage current, showing a clear PASS or FAIL against user-set limits of 100, 200 or 300 μ A. It follows the ANSI/IEEE standardised DC test methods, and all cables remain connected inside the rugged IP67 case between jobs.

Also a compact DC hipot

In HiPot mode the instrument displays kV, μ A and T Ω with a continuous 85 kV / 300 μ A rating and a stop limit adjustable from 25 to 300 μ A in 25 μ A steps. The 4.3-inch ultra-bright touch display works with gloves, the unit is ready 2 seconds after power-up, and a built-in thermal printer documents the result on the spot.

Main features

- Output accuracy of 1.5 % with less than 2 % ripple (20-85 kV).
- Current measurement 0-400 μ A with 1 μ A resolution.
- Test duration settable from 2 s to 2 min; discharge in under 3 s.
- High-brightness visual indicator and audible alert while HV is present.
- Storage for 200 tests, transferred by USB flash drive.
- Battery version VIPO-85B with user-replaceable Li-ion pack.



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Applications and delivery

Applications

- Integrity testing of vacuum interrupters in medium-voltage breakers.
- DC hipot tests on switchgear, cables and insulation up to 85 kV.
- Commissioning and periodic maintenance in the field.
- Workshop acceptance tests with printed evidence.

Ready for the field

The instrument travels in its transport and operation case with IP67 protection when closed, weighs 9.4 kg and works from 0 to +50 °C; firmware updates and test transfers use a standard USB flash drive.



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VIPO-85 – TECHNICAL SPECIFICATIONS

Output	1.0-85.0 kV DC in 1 kV steps; 0.3 mA continuous at max voltage
Output accuracy	1.5 %; ripple below 2 % (20-85 kV)
Current measurement	0-400 μ A; 1 μ A resolution; 2 % accuracy at full scale
Pass/fail limit (VI test)	100, 200 or 300 μ A, user set
Stop limit (HiPot mode)	25-300 μ A in 25 μ A steps; kV/ μ A/T Ω display
Test duration	2 s to 2 min, user set; discharge below 3 s
Display and control	4.3-inch ultra-bright IPS touch screen, glove compatible
Results	Storage for 200 tests; USB transfer; built-in thermal printer
Supply	100-240 V AC, 47-63 Hz; battery version VIPO-85B (Li-ion 14.4 V)
Environment	0 to +50 °C; 5-95 % RH non-condensing; IP67 with case closed
Dimensions and weight	410 × 310 × 150 mm; 9.4 kg



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