

ETL Prüftechnik GmbH

ZPA36
Product Overview.

Keyfacts

High voltages combined with mobility and safety

AC high-voltage testing

Very high voltage and power –
up to 100 kV and 25,000 VA

Dual-channel safety circuit and physical
separation of power and control unit

Mobile solution on a test trolley –
the unit comes to the test object



Technical Specifications

Precise and safe testing at high voltage



Feature	Detail
Test voltage	30 – 100 kV AC
Power	Up to 25 kVA
Measurement	Voltage, current, partial discharge
Safety	Dual-channel safety circuit with positively guided safety relays
Compliance	CE compliant, tested to EN 50191
Software	DataView3 (test plans, reports, data logging)
Accessories	Telescopic mast, compensation reactor, contacting

Precise and safe testing at high voltage



Additional Features

- Adjustable test voltage, trip current and test times
- Measurement directly at the output via voltage divider
- Ramp function for controlled voltage rise
- Breakdown voltage detection
- Shutdown via limit value, ARC and PEAK detection
- Special version for continuous testing available

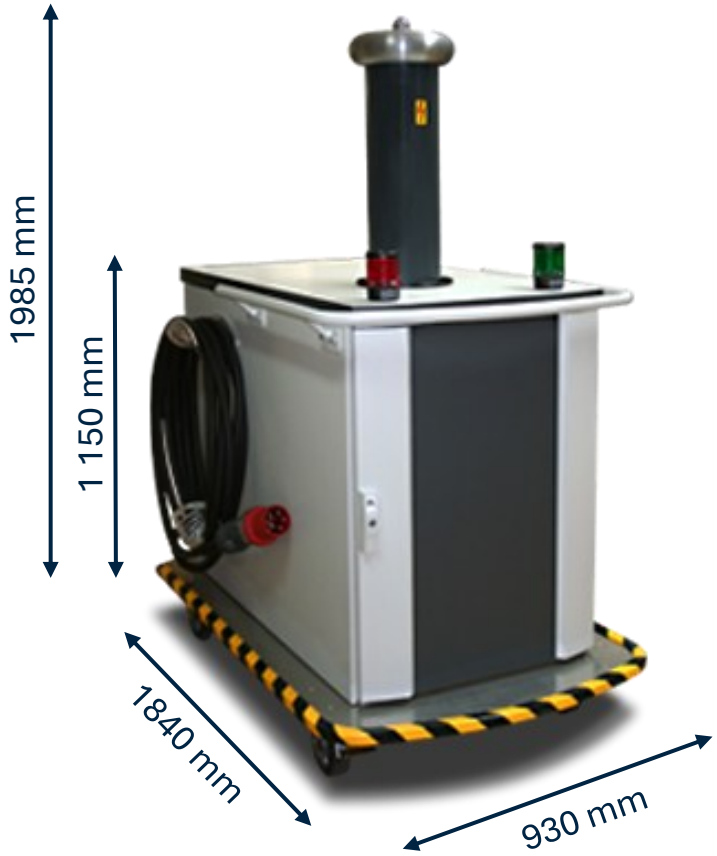
Safety is not a feature — it is the concept



Safety Concept

- Physical separation of power unit and control unit: the operator stands at a safe distance from the high-voltage source
- Dual-channel safety circuit: both channels must enable independently – if one fails, the voltage stays locked out
- Simple, unambiguous operating principle: few buttons, clear display – no room for interpretation in safety-critical tests

System size depending on power rating



approx. 600 kg



approx. 300 kg

Flexible and versatile in use



Testing of rail vehicles

Material testing, e.g. cables, insulation materials, ...

Testing of power systems



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