

The GLP2-Class

GLP2-ce HV | High-Voltage Testers 1KV - 100KV

RS232

CAN

Ethernet

USB

LabView®

Profibus

PC

PLC

I/O

Analog

Print



Highlights

- high-voltage testers AC
- high-voltage testers AC and DC
- high-voltage testers DC
- extremely low residual ripple at the DC high-voltage
- insulation resistances at DC high-voltage up to 10TΩ
- high-voltage with up / down ramp
- high-voltage with voltage cycle profile
- step voltage measurement
- fast switch-off at disruptive breakdown
- display of the measuring values in a graphic
- three HV-modes: manual, automatic with time lapse and burning
- voltage check and cable break monitoring (4-wire-technology) respectively
- minimum current monitoring
- voltage-free contacting with special test pistols
- zero voltage switch-on to protect the test object
- manual high-voltage setting via the rotary button
- automatic high-voltage setting via the actuator
- automatic fully electronic high-voltage setting
- electronic high-voltage control with very fast ramps
- long-term measurement for hours, days and weeks
- storage of the single long-term values
- high-voltage matrix to switch over between different test points
- matrix from 1KV to 50KV AC
- two-circuit safety inputs, two-hand start
- safety circuits with restraint-guided safety relay
- VDE 0104 compliant start-up sequence

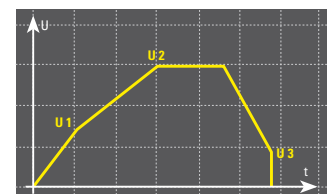
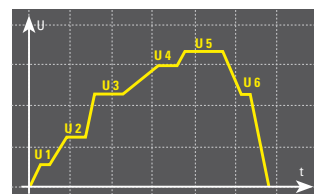
The GLP2-ce series offers the widest range of high-voltage testers that is currently in the market, regardless whether AC, AC with rectifier, DC with high-tensile output power or AC plus DC are to be combined in one tester.

The high-voltage testers are designed for testing the electrical insulating property and electric strength (clearance and leakage paths) of all kinds of electrical parts and components.

The testers are perfectly suited for fast and uncomplicated tests in production and laboratories. Tests can be performed either manually by means of safety pistols or automatically.

The testers can be operated in 3 modes.

- manual test without time lapse. A switch-off only occurs in case of overcurrent, which for example is generated by a disruptive breakdown.
- test with programmed time lapses and additional different monitoring functions
- location of insulating failures due to "burning"



high-voltage test with voltage profiles

There are three types of high-voltage settings

- manual voltage setting**
 The manual voltage is set with the rotary button at the front. This rotary button directly affects the adjusting transformer within the tester. In the automatic mode the voltage is set manually to the requested value.
- automatic voltage setting with actuator**
 In the manual mode the voltage is set with the rotary button at the front. The rotary button affects an electronic which adjusts the adjusting transformer via an actuator. In the automatic mode the tester automatically sets the voltage to the requested value or automatically generates a ramp profile independently from the rotary button.
- fully electronic voltage source**
 In the manual mode the voltage is set with the rotary button at the front. The rotary button directly sets the electronic voltage source. In the automatic mode the tester automatically sets the voltage to the requested value or automatically generates a ramp profile independently from the rotary button.

Depending on the ordered tester model, one of the three voltage settings is installed.

Compliant to your application, we offer several different test pistons. For the tester's use in laboratories, automatic production lines or test setups we also offer the matching high-voltage cables and contactings, of course.

The safest way to perform a high-voltage test is in a test cage. We offer test cages for different tasks in different designs and sizes. In case our standard cages do not cover your requirement we are pleased to design a test cage especially for you.



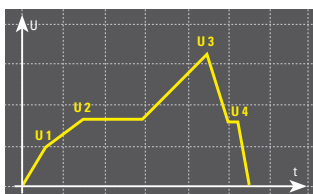
GLP2-e HV with 20KV AC




GLP2-e HV with 50KV AC



GLP2-e HV with 100KV AC



 For general technical data of the testers as well as of standard single and combination testers please look on page 144