Smart hipot DC up to 30 kV

HP30KV

2 YEAR WARRANTY

Remote control by App



Illustrative Image

Features

- Smart hipot DC up to 30 kV
- Leakage current up to 20 mA
- Remote control by Android device
- Measures the output voltage and leakage current
- "Pass/Fail" LED indicator
- Adjustable parameters: voltage, maximum leakage current, ramp and test duration
- Ripple < 2 %
- Polarity: negative voltage, positive ground
- USB and Bluetooth interface
- Built-in memory to store test results
- Lightweight and robust, developed for field work
- Computer software for test report generation

Sparks auto-detection
In the event of a spark (e.g. rupture of the insulation of the element under test), the high voltage generation is automatically interrupted

Description

The Smart Hipot DC **HP30KV** is an instrument for the latest generation dielectric tests. The voltage output is adjustable, reaching up to 30,000 V of direct current. For being digital, it is possible to program the voltage, test duration, maximum leakage current and ramp rise or fall, allowing to perform more sophisticated tests automatically.

Has one LED to indicate the presence of high voltage in the output terminal during a measurement and one bi-color LED to indicate the test result (Pass / Fail).

Meeting the most stringent security requirements, the system is divided into two modules, one for control and the other for high voltage. The high voltage module is equipped with an audible alarm and both modules have emergency stop switch. Through an Android device it's possible to program all parameters of the hipot, besides remotely controlling the tests, further increasing the security.

Remote control by Android™ App



GET IT ON Google Play

Increased safety and comfort: Set up, start and stop tests in an even safer and more comfortable way

Automatic reports: Generate test reports directly on the App

Smartphone / tablet features: Incorporate smartphone features into your reports (photo, GPS coordinates and test location map)

- Android, Google Play and the Google Play logo are trademarks of Google LLC

Modbus® Protocol

This equipment implements the Modbus® open protocol. All configuration, real-time control, monitoring of measurements, and retrieval of test information can be performed using commercial tools such as LabVIEW® and PLCs, or even through dedicated software and own development. In this way, the entire measurement and analysis process can be automated according to the application's needs. Complete documentation with accessible and controllable parameters is provided, as well as clarification of doubts about the use through technical support.

- Modbus is a registered trademark of Schneider Electric USA, Inc.
- LabVIEW is a registered trademark of National Instruments Corporation

Technical specifications

ELECTRICAL	HP30KV
Test voltage	2,000 V up to 30,000 V
Test voltage resolution	100 V from 10 kV up to 30 kV 10 V up to 9.99 kV
Test voltage accuracy	± (2 % of nominal value ± 2 digits) with 1 mA load
Polarity	Negative voltage, positive ground
Leakage current	Max. 20 mA
Leakage current resolution	0.01 mA
Leakage current accuracy	± (2 % of nominal value ± 2 digits)
Ripple	< 2 %
FEATURES	
Measuring modes	Manual mode, Auto, SVT, Ramp test and "Pass / Fail" test
Safety	Emergency stop switches, Sparks auto-detection, Visual indicators (LEDs) and Audible indicator
Display	Alphanumerical LCD display, 4 lines / 20 characters (Big Number)
Chronometer	Up to 20 min., indication in seconds
Built-in memory	Memory for storing up to 16,000 measured values
STANDARDS	
Safety	IEC 61010-1
COMMUNICATION	
Protocol	Modbus
USB	For configuration, control and download the stored values
Bluetooth	For configuration, control and download the stored values
SOFTWARE	
Desktop (PC/Notebook)	Megalogg 3 software: for remote control, allowing to configure, run tests and generate reports
Android (Smartphone/ Tablet)	BlueLogg app: for remote control, allowing to configure, run tests and generate reports

ENVIRONMENTAL	
IP rating	IP65 (with closed lid)
Operating temperature	-5 °C to 50 °C
Storage temperature	-25 °C to 70 °C
Humidity	95 % RH (non condensing)
POWER SUPPLY	
Mains	200 - 240 V~ 50/60 Hz 720 VA
MECHANICAL (OF THE INSTRUMENT)	
Weight	Control module: approx. 7.6 kg High voltage module: approx. 7.6 kg
Dimensions	Control module: 450 x 360 x 190 mm High voltage module: 450 x 360 x 190 mm

Included accessories

- Interconnecting cable (control - high voltage modules)*
- High voltage cable*
- Return cable*
- Protective ground cable*
- Power cord
- USB cable
- User guide
- Megalogg 3 software (download)
- BlueLogg app (download)
- Control module carrying bag
- High voltage module carrying bag

* Supplied in different lengths on request.