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## Smart hipot DC up to 30 kV

# HP30KV

Suitable for testing objects with high leakage current, like old medium voltage cables.



### 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

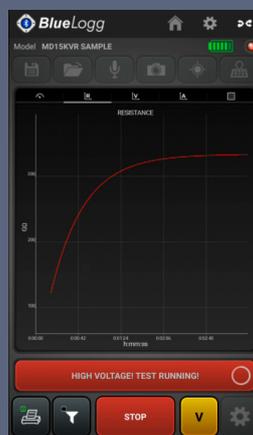
The Smart Hipot DC **HP30KV** is an instrument for the latest generation dielectric tests. The voltage output is adjustable, reaching up to 30,000 Volts of direct current. For being digital, it is possible to program the voltage, test duration, maximum leakage current and ramp rise or fall, allowing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



This instrument has Bluetooth® interface and can be controlled remotely via an Android™ smartphone / tablet running the BlueLogg application.



#### 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)



- Using the remote control does not require a cell phone or Internet connection (the Internet is only necessary if you want to see a map of the test site or send reports by email)
- Android, Google Play and the Google Play logo are trademarks of Google LLC
- Bluetooth is a registered trademark of the Bluetooth SIG, Inc. Worldwide

## 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, Ramp test, "Pass / Fail" test and timed 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)		Megalogg2 software: to transfer stored data in the equipment's memory, analyze it and generate test reports
Android (Smartphone/ Tablet)		BlueLogg app: for remote control, allowing to configure, run tests and generate reports

ENVIRONMENTAL	
IP rating	IP54 (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	
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
- Control module carrying bag
- High voltage module carrying bag
- User guide
- Megalogg2 software
- BlueLogg app

\* Supplied in different lengths on request.



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