DT 70KV
Dielectric glove tester - 70 kVDC

Ilustrative Photo. Smartphone not included.

Features

- **Dielectric Insulating Glove Tester for testing up to 70 kVDC**
- **Specially developed for glove dielectric testing in accordance with , ASTM D120, ASTM F496-08 and IEC 60903 (annex E)**
- **Leakage current up to 500 µA**
- **Can be fully remote controlled from an Android™ device**
- **Measures output voltage and leakage current**
- **"Pass / Fail" LED indicator**
- **Selection of test parameters by sleeve class with adjustable maximum leakage current**
- **Ripple <2%**
- **Polarity: Negative voltage, ground positive**

Description

The DT70KV Model Dielectric Tester is a state-of-the-arts glove dielectric tester in accordance with ASTM D120, ASTM F496-08 and IEC 60903 (annex E). Designed with an emphasis on safety, versatility and ease of use. The voltage output is adjustable (according to sleeve class), with a capacity of up to 70 kV direct current. It is a digital device that allows you to program the glove class and the maximum leakage current, allowing automatic testing. It has an alphanumeric display that shows the value of the test voltage, current and elapsed time. An LED indicates the presence of high voltage at the output terminals during measurement, while a two-color LED indicates the test result (Pass / Fail).

Complying with the most rigorous safety requirements, the system is divided into two units, a control unit and a high voltage generation unit.

Additional safety features include an emergency stop switch and a built-in sound alarm. Furthermore, the ability to fully remote control the instrument from an Android device — both to program the settings as well as to perform the tests — provides increased safety protection and greater comfort for the operator.

Remote Control App

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

AVAILABLE IN
Google Play

DT70KV

Technical specifications

TEST VOLTAGE
Up to 70,000 V.

TEST VOLTAGE RESOLUTION
100 V between 10 kV and 70 kV.
10 V up to 9.99 kV.

TEST VOLTAGE ACCURACY
± (2% of nominal value ± 2 digits) with 500 µA load.

POLARITY
Negative voltage, ground positive.

LEAKAGE CURRENT
Max. 500 µA.

LEAKAGE CURRENT RESOLUTION
1 µA.

LEAKAGE CURRENT ACCURACY
± (2% of nominal value ± 2 digits).

DISPLAY
Alphanumeric, displays the measurements in digital form.

RIPPLE
<2%.

SAFETY FEATURES
Remote control via Bluetooth.
Emergency stop buttons.
Self-detection of sparks.
Visual indicators (LEDs).
Sound indicator.

PC INTERFACE
USB.

ADVANCED FEATURES
Automatically configured tests accordance with ASTM D120, ASTM F496-08 and IEC 60903 (annex E).
Periodic Glove Testing Class: 00, 0, 1, 2, 3 and 4.
Pass-Fail and fixed-time tests.
Internal memory.

BUILT-IN CHRONOMETER
Indicates the time elapsed from the beginning of the measurement in mm: ss format.

SOFTWARE
It allows to transfer the data stored in the equipment memory to a PC, to analyze them, to present the results in tables and graphs, to generate reports of the tests.

ENVIRONMENTAL PROTECTION
IP54 (with closed lid).

SAFETY
In accordance with IEC 61010-1.

POWER SUPPLY
Mains: 200 V - 240 V~ 50/60 Hz 50 VA.

MAXIMUM OPERATING ALTITUDE
Up to 4,000 m (13,000').

OPERATING TEMPERATURE
-5 °C to 50 °C (23 °F to 122 °F).

STORAGE TEMPERATURE
-25 °C to 70 °C (-13 °F to 158 °F).

HUMIDITY RANGE
95% HR (non condensing).

EQUIPMENT WEIGHT
Control unit: approx. 7 kg (15.43 lb).
High unit module: approx. 7.1kg (15.65 lb).

DIMENSIONS
Control unit: 450 x 360 x 190 mm (17.5" x 14.2" x 7.5").
High voltage unit: 450 x 360 x 190 mm (17.5" x 14.2" x 7.5").

Included accessories

1 Graduated tank
1 Interconnection cable* (control unit ↔ HV unit)
1 High voltage cable*
1 Return cable HV*
1 Protective grounding cable*
2 Glove holders kit
1 Support stand for electrode
4 Clamps for fixing gloves
2 Grounding cables (graduated tank ↔ support stand)
1 Power cable
1 USB cable
1 Carry case (control unit)
1 Carry case (HV unit)
1 User guide
1 TLogger software

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