

HV-11.2
High-potential station HPT



Main technical features of the tool

Dimensions: 2120 x 2000+60 x 2200 mm (WxDxH)

Supply voltage: 400 V 3~/N/PE / 16 A / 50 Hz

Voltage surge: from -5% to +10%

Frequency: 50 Hz

Supply line fuse: 3 x 16 A

Operating voltage: 6 bar

1.2 Technical data of the high-voltage generator

Dimensions: 430 x 450 x 135 mm (WxDxH)

Supply voltage: 230 V 1~/N/PE / 3,15 A / 50 Hz

Output voltage: 0...+12 kV

Output current: 0...10 mA

Accuracy: 0,1 uA

Ramp: 0-999 s

Resistance check: Yes / Loop test via switching relay

Operating modes: with stable voltage

1.3 Technical data of the SPS control system

Dimensions: 156 x 58 x 115 mm (WxDxH)

Supply voltage: 24 VDC

Power demand: max. 5.5 A
Interfaces: 1x Ethernet 10/100 Mbit, 1x RS232 or RS422

Technical data of the frequency converter / drive

Type: MC07B 0008-5A3-4-x0
Frame size: 0S
Supply voltage: 400 V 3~/N/PE / 50 Hz
Dimensions: 80 x 163.5 x 185 mm (WxDxH)
Motor power: 0.75 kW

Description:

The high-voltage test device is a device for testing thin-layer modules for 100% electrical strength during simulations as per IEC 61646 and IEC 61730.

The unit can be installed as a stand-alone operating unit, and can also be integrated into a production line. Through the high-voltage application, it is checked whether the insulation resistance meets the product requirements. The corresponding findings are output to the control panel after each test.

Transportation of modules:

The machine has an automatic module entry system, a test chamber and a module output system. The modules are moved on three conveyor ribs (1) equipped with toothed belts. These transport belts are driven with a shaft and a 400V three-phase motor drive belt (2). The motor is controlled with a frequency converter.

