

HV Test Device

HTS 150C30



■ VW 80300

— Features

- > Color touch screen operation, no manual switching required during testing, safe and convenient
- > Built in 10 mF decoupling capacitor and discharge resistor, and real-time monitoring of capacitor voltage
- > Air cooling, built-in temperature protection, no additional cooling equipment required
- > Internal resistance complies with VW 80300 tolerance of $\pm 2\%$
- > Optional (Autolab) remote control for automatic system testing and emission testing
- > Output resistances: 0 m Ω , 50 m Ω , 100 m Ω , 200 m Ω
- > Equipped with high-voltage shielded terminals for higher safety and easier operation

— Introduction

HTS 150C30 is designed according to VW 80300:2021, with integrated impedances of 0 m Ω , 50 m Ω , 100 m Ω , 200 m Ω and 10 mF capacitors. This device can be used for testing with a max. DC current of 1,500 V and 300 A.

— Application Areas



Technical Parameters

Frequency Range	10 Hz ~ 150 kHz
Output Impedance	0 mΩ, 50 mΩ, 100 mΩ, 200 mΩ
Inductance	1 μH
Grounding Capacitance	220 nF
Decoupling Capacitor	10 mF (±10%)
Input Voltage	Max. 1,500 V DC
Current	0 mΩ, 50 mΩ 300 A 100 mΩ 200 A 200 mΩ 100 A
Temperature Protection	Stop operation when the internal temperature of the equipment exceeds 80°C
Capacitance Voltage Monitoring	Displayed on lower computer screen

General Parameters

Working Power	AC 220 V, ±10%, 50/60 Hz ±5%
Fuse	6 A
Max. Power Consumption	350 W
Instrument Grounding Connection Method	Flat grounding wire
Weight	Approx. 275 kg
Dimension	35U rack, 600 mm (W)*1,850 mm (H)*800 mm (D)
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%
Pressure Range	86 kPa – 106 kPa

Standard Accessories

User Manual, Test Cables, Power Cord, Grounding Wire, Calibration Module

Optional Accessories

1	Control Software	Model: AutoLab Compatible with Windows 7/8/10/11. It features user-friendly operation with an elegant and intuitive interface.	
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