

Wide-range Adjustable Pre-charging Test Device **RC 150C10**



- VW 80300
- QMAT 5502
- Q/JLY J7111974A

Features

- > 5.7-inch color TFT touchscreen front panel operation
- > Max. voltage 1,500 V
- > Support voltage and current monitoring
- > Overcurrent protection, setting range 1 A ~ 100 A
- > Charging/discharging time monitoring
- > Charging/discharging resistors and capacitors are automatically configured via touch screen to meet various test requirements of automakers
- > Built-in switch provides automatic switching between charging and discharging modes
- > High-precision resistors and capacitors ensure accurate measurement
- > Fitted with HV and high-current safety terminals to enable secure, easy operation

Introduction

The RC 150C10 Wide-range Adjustable Pre-charging Test Device conforms to the EHV-04 pre-charging test specified in VW 80300. The device is designed to verify the performance of pre-charging circuits in HV energy storage devices and HV components. Its max. test voltage is 1,500 V and max. test current is 100 A.

The RC 150C100 can be controlled by remote control software AutoLab, which enables users to carry out complete automated testing procedures conveniently.

Application Areas



Technical Parameters

Max. Test Voltage	1,500 V
Max. Test Current	100 A
Capacitance	10 μ F ~ 1,200 μ F (accuracy: 2%, step: 10 μ F)
Internal Resistor	0 Ω ~ 6 Ω (accuracy: 2%, step: 0.05 Ω)
Discharge Resistor	50 Ω ~ 1,200 Ω (accuracy: 2%, step: 10 Ω)
High Voltage (V_{ES})	80% ~ 99% (step: 1%)
Hold Time (T_h)	1 s ~ 9,999 s (step: 1 s)
End Voltage (V_{END})	5 V ~ 20 V (step: 1 V)

General Parameters

Display Screen	5.7-inch TFT touch screen
Working Power	AC 220 V, $\pm$ 10%, 50 Hz /60 Hz
Fuse	6 A
Max. Power Consumption	200 W
Communication Mode	Ethernet LAN
Pulse Trigger Mode	Automatic
Safe Circuit	Stop working when pressing emergency
Failure Detection	In case of failure, the front panel LCD displays and the instrument stops running
Working Status Indication	Front panel LED indication and LCD display
Grounding Method	Flat grounding wire
Dimension	22 U rack, 1,250 mm(L)*800 mm(W)*600 mm(H)
Weight	Approx. 185 kg
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

Standard Accessories

Test Cable, User Manual, Grounding Wire, Power Cord, Fuse

Optional Accessories

1	Remote Control Software	Model: AutoLab > Support Windows 7/8/10 /11 operating systems > Supports Ethernet > Supports scheduling and test sequence, easy for operation > Supports single test and sequence test reports printing, and user-defined templates > Supports emergency stop for safe test	
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