

# Wide Range Adjustable Pre-charge Loop Test Device

## RC 150C100



- VW 80300:2021
- QMAT 5502-2023
- Q/JLY JT111974A-2024

### — Features

- > 5.7-inch color touch screen front panel operation
- > The maximum voltage can reach 1500V, with built-in voltage monitoring function
- > Comes with built-in current monitoring function
- > Overcurrent protection function, with a protection current setting range of 1 A to 100 A
- > Charging and discharging time monitoring function
- > Charging and discharging resistors and capacitors are automatically combined through the control screen to meet the testing needs of different car manufacturers
- > Built in switch automatically switches between charging and discharging states
- > High precision resistance and capacitance make measurement results more accurate

### — Introduction

RC 150C100 is based on the company's third-generation development platform and uses color touch screen control. According to the EHV-04 test in VW 80300:2021, used to verify the function of the pre charging circuit in high-voltage energy storage devices, the test voltage can reach up to 1500 V and the maximum carrying current can reach 100 A. Control the oscilloscope and testing system through AutoLab software to achieve automated testing.

### — Application Areas



Vehicles

## Technical Parameters

Compliant With Standards	VW 80300:2021、QMAT 5502-2023、Q/JLY JT111974A-2024
Test Voltage Vmax	1500 V
Test Current Imax	100 A
Capacitance	10 uF - 1200 uF(accuracy 2%, step 10 uF)
Internal Resistance	0 Ω - 6 Ω(accuracy 2%, step 0.05 Ω)
Discharge Resistance	50 Ω - 1200 Ω(accuracy 2%, step 10 Ω)
High Voltage Ves	80% - 99%(step 1%)
Maintain Time Th	1 s - 9999 s(step 1 s)
End Voltage Vend	5 V - 20 V(step 1 V)

## General Parameters

Display	5.7-inch TFT touch screen
Scope of Working Power Supply	AC 220V ± 10%, 50/60Hz ± 5%
Fuse	6 A
Maximum Power Consumption	200 W
Communication Method	Ethernet LAN
Pulse Triggering Method	Automatic
Safety Circuit	Press emergency stop, the instrument stops working
Failure Detection	When it fails, the front panel LCD displays and interrupts the instrument's operation
Instrument Working Status Indication	Front panel LED indication, LCD display
Instrument Grounding Connection Method	Use a flat grounding wire
Chassis Size	22U L * W * H: 1250 * 800 * 600 mm
Instrument Weight	About 185 kg
temperature Range	15 - 35°C
Humidity Range	45% - 75%
Compressed Air	86 kPa - 106 kPa

## Standard Accessories

Power Cord, Fuse, Test Wire, Grounding Wire, Instruction Manual

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