



HV Artificial Network

AN 150C10

- ISO 21498-2:2021
- ISO 21498-2:2024
- MBN 11123
- 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
- > Adopt "Gain-Phase Parallel-Through" test method to meet the impedance curve requirements of ISO 21498-2:2021&2024, VW 80300 and MBN 11123
- > Optional (Autolab) remote control for automatic system testing and emission testing
- > Output resistances: 0 mΩ, 2*10 mΩ, 2*25 mΩ, 2*50 mΩ, 2*100 mΩ, 50 mΩ, 100 mΩ, 200 mΩ
- > Equipped with high-voltage shielded terminals for higher safety and easier operation

Introduction

AN 150C10 is designed according to ISO 21498-2, MBN 11123, and VW 80300, with integrated impedances of 0 mΩ, 2 *10 mΩ, 2 *25 mΩ, 2 *50 mΩ, 2 *100 mΩ, 50 mΩ, 100 mΩ, 200 mΩ, and 10mF capacitors. This device can be used for testing with a max. DC current of 1,500 V and 100 A.

Application Areas



Technical Parameters

Frequency Range	10 Hz ~ 150 kHz
Output Impedance	0 mΩ, 2*10 mΩ, 2*25 mΩ, 2*50 mΩ, 2*100 mΩ, 50 mΩ, 100 mΩ, 200 mΩ
Inductance	1 μH
Grounding Capacitance	1 μF or 220 nF
Decoupling Capacitor	10 mF (0% ~ +10%)
Input Voltage	Max. 1500 V DC
Current	Cont. 100 A, max. 200 A (continuous for 2 minutes)
Capacitor Voltage Monitoring	Displayed on lower computer screen
Temperature Protection	Stop operation when the internal temperature of the equipment exceeds 80°C

General Parameters

Working Power	AC 220 V, ±10%, 50/60 Hz ±5%
Fuse	6 A
Max. Power Consumption	400 W
Instrument Grounding Connection Method	Flat grounding wire
Weight	Approx. 260 kg
Dimension	35U rack, 600 mm (W)*1,850 mm (H)*800 mm (D)
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%, RH(no condensation)
Pressure Range	86 kPa – 106 kPa

Standard Accessories

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

Optional Accessories

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