

HV Artificial Network

AN 150C30



- 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
- > Test voltage max. 500 V DC, 250 V 50 / 60 Hz, 125 V 400 Hz
- > 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

The AN 150C30 is designed in compliance with ISO 21498-2:2021, ISO 21498-2:2024 and MBN 11123. It integrates impedances of 0 mΩ, 2*10 mΩ, 2*25 mΩ, 2*50 mΩ, 2*100 mΩ, 50 mΩ, 100 mΩ, 200 mΩ and a 10 mF capacitor. This equipment can be used for DC current tests with a max. voltage of 1,500 V and a max. test current of 300 A.

Application Areas



Technical Parameters

Frequency	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
Ground Capacitance	1 μF or 220 μF
Decoupling Capacitance	10 mF (0% ~ +10%)
Input Voltage	Max. 1,500 V DC
Max. Current	0 mΩ, 2*10 mΩ 300 A 2*25 mΩ, 50 mΩ 200 A 2*50 mΩ, 2*100 mΩ, 100 mΩ, 200 mΩ 100 A
Temperature Protection	Shutdown at internal temperature > 80 °C
Capacitor Voltage Monitoring	Displayed on the slave unit screen

General Parameters

Working Power	AC 220 V ±10%, 50/60 Hz ±5%
Fuse	6 A
Max. Power Consumption	350 W
Grounding Method	Flat ground wire
Dimension	35U rack, 600 (W)*1,850 (H)*800 (D) mm
Weight	Approx. 230 kg
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%, RH (no condensation)
Atmospheric Pressure	86 kPa ~ 106 kPa

Standard Accessories

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

Optional Accessories

1	Automotive Immunity Test Software	Model: AutoLab Compatible with Windows 7/10/11. It features user-friendly operation with an elegant and intuitive interface. Equipped with comprehensive operation functions and standard test libraries.	
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