

MEGOHMMETER 1000V CAT. III & 600V CAT. IV

Reference : OE 4002



Item name	MEGOHMMETER 1000V CAT. III & 600V CAT. IV
Bar code	3700461471568
Introduction	Specially designed for hybrid and electric vehicles, this device can measure the isolation of electrical equipment, as well as a voltage up to 1000V. It allows the measurement of DC and AC voltage, DC and AC current, temperature, resistance, capacity, isolation and frequency.
Text	Suitable for the "low voltage" requirements of authorisations: BCL, B2VL, B2TL, B2XL ...
Product highlight	Suitable for hybrid and electric vehicles
Specifications	<p>Specifications:</p> <p>Complies with IEC/EN 61010-1 1000V CAT III, 600V CAT IV.</p> <p>1000V DC Voltage, 750V AC Voltage (TRMS).</p> <ul style="list-style-type: none"> - DC voltage: 600mV-6V-60V-600V-1000V - AC voltage 600mV-6V-60V-600V-750V - DC current: 60mA-400mA - AC current: 60mA-400mA - 6600 counts (except for capacity, temperature and insulation measurement) - when the input terminals are V and COM, the protective voltage overload is up to 250V AC (TRMS). - when the input terminals are mA and COM, the protection current is 0.4A. - when the input terminals are Hi and Lo, the protective voltage overload is 600V. - display of minimum average values

- 4 AA batteries (NEDA 15A or IEC LR6) for 1000 hours of battery life for the insulation test.
 - the multimeter can perform at least 1000 insulation tests with new alkaline batteries at room temperature.
- These are standard tests of 1000V in 1M Ω with a duty cycle of 5 seconds on and 25 seconds off.
- resistance: 600ohm-6kohm-60kohm-600kohm-6Mohm-60Mohm
 - insulation measurement range: 0.01M Ω to 2G Ω .
 - isolation test voltages: 50V, 100V, 250V, 500V, 1000V.
 - insulation original voltage: +20%, -0%.
 - insulation short circuit test current: 1.5mA nominal.
 - automatic discharge of insulation: Discharge time <1 second for C = 1 μ F or lower.
 - detection of the live isolation circuit: block the test if the voltage at the terminal is >20V before starting the test.
 - insulation resistance: 50V (5-50Mohm) - 100V (0-100Mohm) - 250V (0-250Mohm) - 500V (0-500Mohm) - 1000V (0-2Gohm)
 - calculation of dielectric absorption ratio (DAR) and automatic polarization index (PI);
 - maximum capacitive load of insulation: operates up to a load of 1 μ F.
 - storage temperature: -40°C to 60°C.
 - operating temperature: 0°C to 40°C.
 - storage altitude: 12000m
 - operating altitude: 2000m 1000V CAT III, 3000m 1000V CAT II
 - temperature: -30 to 1300°C
 - temperature coefficient: 0.05 (specified accuracy) per °C for temperatures <18°C or >28°C.
 - relative humidity: 40%~75%.
 - dimensions: 205(L) 102(W) 58(H)mm.
 - weight: about 390g.
 - electrical safety categories: CAT III 1000V, this device can be used in a category 3 medium (shown in the table on the left) at a maximum voltage of 1000V, and in a category 4 medium at a maximum voltage of 600V.

Contents

Contents:

- 1x Megohmmeter
- 1x pair of measuring cables
- 1x pair of crocodile clips
- 1x MS 3204
- 1x temperature probe (Thermocouple type K)
- 1x transport house
- 1x transport strap (shoulder strap)
- 4x LR6 batteries

Warranty period	2 years
Voltage	1000V
More	Powered by battery
Cable length	1.20 m
Length (mm)	205.00 mm

Width 102.00 mm

Height 58.00 mm

Tariff code Tariff Normal (TN)

Warranty Procedure DIAGNOSTIC

Customer benefit This isolation controller complies with the standard and quality expectations of CESVI France.



TN

***Public price Exl. Tax : €429.00**

*Applicable user fees from 01/09/2024 to 31/08/2025

CLAS EQUIPEMENTS
83, chemin de la CROUZA
73800 CHIGNIN
France

Tel : +33 (0) 4 79 72 62 22
Fax :

Monday to Friday - From 8 to 12h30
and from 14h to 17h30 (16h30 on
Friday)