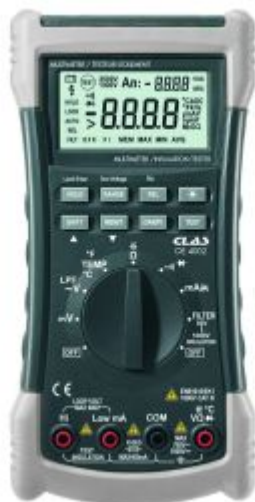


MEGOHMMETER 1000V CAT. III & 600V CAT. IV

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 insulation of electrical equipment, as well as voltages up to 1000V. It measures DC and AC voltage, DC and AC current, temperature, resistance, capacitance, insulation and frequency.

Text Adapted to the "low voltage" requirements of : BCL, B2VL , B2TL , B2XL ...

Product highlight Suitable for hybrid and electric vehicles

Specifications

Specifications:

Complies with IEC/EN 61010-1 1000V CAT III, 600V CAT IV.

DC voltage 1000V, AC voltage 750V (TRMS).

- 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 capacitance, temperature and insulation measurement)
- when input terminals are V and COM, protective voltage overload up to 250V AC (TRMS).
- when input terminals are mA and COM, protective current is 0.4A.
- when the input terminals are Hi and Lo, the protective voltage overload is 600V.
- display mini-maxi-average values
- 4 AA batteries (NEDA 15A or IEC LR6) for 1000 hours' autonomy for insulation

testing.

- The multimeter can perform at least 1000 insulation tests with new alkaline batteries at room temperature.

These are standard tests of 1000V into 1M Ω with a duty cycle of 5 seconds on and 25 seconds off.

- resistance: 600 Ω -6k Ω -60k Ω -600k Ω -6M Ω -60M Ω

- insulation measurement range: 0.01M Ω to 2G Ω .

- insulation test voltages: 50V, 100V, 250V, 500V, 1000V.

- original insulation voltage: +20%, -0%.

- insulation short-circuit test current: 1.5mA nominal.

- automatic insulation discharge: discharge time <1 second for C = 1 μ F or less.

- live insulation circuit detection: block the test if the terminal voltage is >20V before starting the test.

- insulation resistance: 50V (5-50M Ω) - 100V (0-100M Ω) - 250V (0-250M Ω) - 500V (0-500M Ω) - 1000V (0-2G Ω)

- automatic calculation of dielectric absorption ratio (DAR) and polarization index (PI)

- maximum capacitive load on 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 \times (accuracy indicated) per °C for temperatures <18°C or >28°C.

- relative humidity: 40%~75%.

- dimensions: 205(L) \times 102(W) \times 58(H)mm.

- weight: approx. 390g.

- electrical safety categories: CAT III 1000V, this device can be used in a category 3 environment (see table on left) at a maximum voltage of 1000V, and in a category 4 environment at a maximum voltage of 600V.

Contents

Contents:

- 1x Megohmmeter

- 1x pair of measuring cables

- 1x pair of alligator clips

- 1x plug MS 3204

- 1x temperature probe (K-type thermocouple)

- 1x carrying case

- 1x carrying strap (shoulder strap)

- 4x LR6 batteries

Warranty period

2 years

Voltage

1000V

More

Powered by battery

Cable length

1.20 m

Length (mm)

205 mm

Width

102 mm

Height 58 mm

Tariff code Tariff Normal (TN)

Warranty Procedure DIAGNOSTIC

Customer benefit This insulation tester complies with CESVI France's quality standards and expectations.



TN

***Public price Exl. Tax : €429**

*Applicable user fees from 01/09/2025 to 31/08/2026

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