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

Reference : OE 4002



Item name	Megohmmeter 1000V CAT. III & 600V CAT. IV
Bar code	3700461471568
Introduction	Designed for diagnosing and testing the electrical circuits of hybrid & electric vehicles. Measures insulation up to 2 G? with test voltages ranging from 50 to 1,000 V. Also measures AC/DC voltage and current, resistance, capacitance, frequency, and temperature.
Text	Adapted to the "low voltage" requirements of : BCL, B2VL , B2TL , B2XL ...
Product highlight	Suitable for hybrid and electric vehicles
Specifications	Specifications: Complies with the IEC/EN 61010-1 standard: 1000 V CAT III, 600 V CAT IV. DC voltage: 1000 V; AC voltage: 750 V (TRMS). - DC voltage: 600 mV–6 V–60 V–600 V–1000 V - AC voltage: 600 mV–6 V–60 V–600 V–750 V - DC current: 60 mA–400 mA - AC current: 60 mA–400 mA - 6,600 counts (except for capacitance, temperature, and insulation measurements) - When the input terminals are V and COM, the voltage overload protection is up to 250 V AC (TRMS). - When the input terminals are mA and COM, the current overload protection is 0.4 A. - When the input terminals are Hi and Lo, the voltage overload protection is 600 V. - Displays minimum, maximum, and average values - 4 AA batteries (NEDA 15A or IEC LR6) providing 1,000 hours of runtime for insulation

	testing. - The multimeter can perform at least 1,000 insulation tests with new alkaline batteries at room temperature. These are standard 1,000 V tests at 1 M? with a duty cycle of 5 seconds on and 25 seconds off. - Resistance: 600 ohms–6 kohms–60 kohms–600 kohms–6 M?–60 M? - Insulation measurement range: 0.01 M? to 2 G?. - Insulation test voltages: 50 V, 100 V, 250 V, 500 V, 1,000 V. - Insulation reference voltage: +20%, -0%. - Insulation short-circuit test current: 1.5 mA nominal. - Automatic insulation discharge: discharge time <1 second for C = 1 ?F or less. - Live insulation circuit detection: Stop the test if the voltage at the terminal is >20 V before the test begins. - Insulation resistance: 50 V (5–50 M?) - 100 V (0–100 M?) - 250 V (0–250 M?) - 500 V (0–500 M?) - 1,000 V (0–2 G?) - Automatic calculation of the dielectric absorption ratio (DAR) and polarization index (PI) - Maximum capacitive load on the insulation: operates up to a load of 1 ?F. - Storage temperature: -40°C to 60°C. - Operating temperature: 0°C to 40°C. - Storage altitude: 12,000 m - Operating altitude: 2,000 m at 1,000 V CAT III, 3,000 m at 1,000 V CAT II - Temperature: -30 to 1,300°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: approximately 390 g. - Electrical safety categories: CAT III 1000 V; this device may be used in a Category 3 environment (as shown in the table on the left) at a maximum voltage of 1000 V, and in a Category 4 environment at a maximum voltage of 600 V.
Contents	Contents: - megohmmeter - test leads - pliers - MS 3204 adapter - Type K temperature probe - carrying case and strap - 4 LR6 batteries (Shoulder strap) - 4 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	Tested and approved by CESVI France



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