

Utility Lead Set

Safety Datasheet

You have acquired safety test probes and we thank you for your confidence.

For best results from your instrument and for your safety, read and understand this safety datasheet carefully and comply with the precautions for use. Keep this safety sheet for your records.

Meanings of symbols used



CAUTION! Risk of Danger!

Indicates a WARNING and that the operator must refer to the datasheet for instructions before operating in all cases where this symbol is marked.



Double insulation protected



This marking indicates compliance with the European directives « Low Voltage » (2006/95/CE).



In the European Union, this product is subject to a separate collection system for recycling electrical and electronic components in accordance with directive WEEE 2002/96/EC



Technical specifications

Maximum current: 15 A for Leads, Alligator Clips and Probe Tips

Maximum current: 5 A for Grip Probes

Maximum Voltage - Measurement category: 1000V CAT IV for Leads, Alligator Clips and Probe Tips

Maximum Voltage - Measurement category: 600V CAT IV for Grip Probes

Pollution degree: 2

Climatic conditions

Temperature min / max : -20 °C / 48 °C (40 °C if current measurement)

Humidity: 80 % up to 31 °C (decreasing linearly to 50 % at 40 °C)

Altitude: 2000 m

Precautions for use

These safety instructions must be respected to assure the personal safety and the environment of use. If you do not comply with them, there is a risk of electric shock, explosion or fire.

If you use these leads or accessories in a way not specified or without respecting the basic safety rules, the protection that they offer may be compromised, thus placing you in danger.



ONLY USE WITH FACTORY SCREW-IN ACCESSORIES

- All accessories shall be completely screwed
- The safety of any system which may include these leads or accessories is the responsibility of the assembler of the system.
- Each time before use, always check that the insulation of the leads or accessories is in good condition. Any element whose insulation is damaged (even partially) must be removed from use and scrapped. A change of color of the insulating material is an indication of deterioration.
- Voltage, current and installation category in normal conditions are marked on leads and accessories. Respect these values. These values correspond for use at an altitude lower than 2000 m with a pollution degree of no greater than 2.
- Use specific individual safety protections when hazardous live parts can be accessible in the installation where the measurement is performed



The use of a measurement instrument, a lead or an accessory with a lower category or voltage downgrades the use of the assembly (instrument + lead + accessory) to the lowest category and/or operating voltage.

Measurement categories:

CAT II: Measurement category II is for measurements performed on circuits directly connected to the low voltage installation
Examples: measurements on household appliances and portable tools.

CAT III: Measurement category III is for measurement performed in the building installation
Examples: distribution boards, circuit-breakers, machine or industrial equipment with permanent connection to the fixed installation.

CAT IV: Measurement category IV is for measurements performed at the source of the low-voltage installation.
Example: meters and measurements on primary overcurrent protection devices and ripple control units.

Cleaning

- Disconnect the leads or the test accessories
- Use a soft cloth, dampened with soapy water. Rinse with a damp cloth and dry rapidly with a dry cloth or forced air. Do not use alcohol, solvents, or hydrocarbons.
- Do not modify the leads or accessories. Any non-compliant repairs can cause risks of electric shock or burns.