

Description

The Model 8607 consists of one red and one black 1 meter test lead with fixed safety banana plug ends. The leads have a voltage rating 1500V Cat II. Maximum current capacity is 10 Amps.



Artwork is representational only and may not be exact. Keithley Instruments reserves the right to make substitutions as necessary to provide functionally equivalent product.

- WARNINGS**
- 1. These test leads should only be used by qualified personnel who recognize shock hazards and are familiar with the safety precautions required to avoid possible injury.**
 - 2. Do not exceed the maximum signal levels of the accessory or the attached instrument, as defined in the specifications and operating information.**
 - 3. Inspect the probes, lead insulation, and insulating sheaths for wear, cracks, or breaks before each use.**
 - 4. For maximum safety, never touch or change the power connections when power is applied to the circuit under test. Always turn off test system power and discharge all capacitors before connecting or disconnecting the leads.**
 - 5. To prevent voltages from being exposed or connections from shorting together, make sure both ends of the cables are properly connected before applying power.**

Specifications

Cable length: 1 meter

Maximum Ratings

Voltage: 1500V Cat II
Current: 10 Amps

NOTE *Adapters and accessory probe tips are available to interface with the Model 8607 lead set. The Model 8606 High Performance Probe Tip Kit consists of two (each) color-coded spade lugs, alligator clips, spring hook test probes, and insulated banana jack to standard banana plug adapters.*

Safety Precautions

The following safety precautions should be observed before using this product and any associated instrumentation. Although some instruments and accessories would normally be used with non-hazardous voltages, there are situations where hazardous conditions may be present.

This product is intended for use by qualified personnel who recognize shock hazards and are familiar with the safety precautions required to avoid possible injury. Read the operating information carefully before using the product.

The types of product users are:

Responsible body is the individual or group responsible for the use and maintenance of equipment, for ensuring that the equipment is operated within its specifications and operating limits, and for ensuring that operators are adequately trained.

Operators use the product for its intended function. They must be trained in electrical safety procedures and proper use of the instrument. They must be protected from electric shock and contact with hazardous live circuits.

Maintenance personnel perform routine procedures on the product to keep it operating, for example, setting the line voltage or replacing consumable materials. Maintenance procedures are described in the manual. The procedures explicitly state if the operator may perform them. Otherwise, they should be performed only by service personnel.

Service personnel are trained to work on live circuits, and perform safe installations and repairs of products. Only properly trained service personnel may perform installation and service procedures.

Exercise extreme caution when a shock hazard is present. Lethal voltage may be present on cable connector jacks or test fixtures. The American National Standards Institute (ANSI) states that a shock hazard exists when voltage levels greater than 30V RMS, 42.4V peak, or 60VDC are present. **A good safety practice is to expect that hazardous voltage is present in any unknown circuit before measuring.**

Installation Categories (CAT) are defined in IEC 664. CAT I is signal level only and must not be connected to mains. CAT II may be connected to mains at a local level only. Refer to IEC 664 for details.

Users of this product must be protected from electric shock at all times. The responsible body must ensure that users are prevented access and/or insulated from every connection point. In some cases, connections must be exposed to potential human contact. Product users in these circumstances must be trained to protect themselves from the risk of electric shock. If the circuit is capable of operating at or above 1000 volts, **no conductive part of the circuit may be exposed.**

Inspect the connecting cables, test leads, and jumpers for possible wear, cracks, or breaks before each use.

For maximum safety, do not touch the product, test cables, or any other instruments while power is applied to the circuit under test. ALWAYS remove power from the entire test system and discharge any capacitors before: connecting or disconnecting cables or jumpers, installing or removing switching cards, or making internal changes, such as installing or removing jumpers.

Do not touch any object that could provide a current path to the common side of the circuit under test or power line (earth) ground. Always make measurements with dry hands while standing on a dry, insulated surface capable of withstanding the voltage being measured.

The product must be used in accordance with its specifications and operating instructions or the safety of the equipment may be impaired.

Do not exceed the maximum signal levels of the product, as defined in the specifications and operating information.

The **WARNING** heading in a manual explains dangers that might result in personal injury or death. Always read the associated information very carefully before performing the indicated procedure.

The **CAUTION** heading in a manual explains hazards that could damage the instrument. Such damage may invalidate the warranty.

Before performing any maintenance, disconnect the line cord and all test cables.

To clean the product, use a damp cloth or mild, water based cleaner. Clean the exterior only. Thoroughly dry product before use.