

# Safety Information

## OPERATOR SAFETY

To avoid personal injury and to prevent damage to the amplifier or any products connected to it, review the following safety precautions. To avoid potential hazards, use the probe only as specified.



**Warning**



*To avoid fire or personal injury, comply with the following:*

The DA1855A operates from a single phase, 115 V (90 V to 132 V) or 220 V (180 V to 250 V) 45 to 66 Hz AC power source. No voltage selection is required.

The DA1855A is provided with a three-wire electrical cord containing a three-terminal polarized plug for mains voltage and safety ground connection. None of the current-carrying conductors may exceed 250 Vrms with respect to ground potential. The plug's ground terminal is connected directly to the frame of the unit. For adequate protection against electrical hazard, this plug must be inserted into a mating outlet containing a safety ground contact.

Failure to ground the DA1855A properly can result in personal injury.

The power supply of the differential amplifier is electronically protected against short-circuit and overloads. A 250 V AC fuse, located inside the instrument's power supply will open if a fault occurs within the power supply itself. If this occurs, the instrument must be repaired by a qualified service technician.

**Risk of electrical shock: No user-serviceable parts inside.**

**Leave repair to qualified personnel.** Removing the covers from the instrument may alter critical compensation adjustments, requiring the instrument to be recalibrated.

Connect the Differential Amplifier to the power outlet and switch it on using the power ON/OFF switch located on the rear panel next to the power cord receptacle.

# DA1855A Differential Amplifier

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## CONVENTIONS USED IN THIS MANUAL

The following conventions may appear in this manual:

### **Note**

*A Note contains information relating to the use of the product.*

### **CAUTION**

*A Caution contains information that should be followed to avoid possible damage to the instrument or the device under test.*

### **WARNING**

*A Warning alerts you to a potential hazard. Failure to adhere to the statement in a WARNING message could result in personal injury.*

The following symbols may appear on the product:



**CAUTION: Refer to  
accompanying documents**

This refers you to additional information contained in this manual. The corresponding information in the manual is similarly denoted.



**CAUTION: Risk of electric  
shock**

This is a reminder that high voltage may be present and that appropriate caution should be taken



This is the symbol for earth ground

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