

550XA/Leads 55XXA/525A/Leads

Test Leads

Instruction Sheet

Safety Information

A **Warning** identifies hazardous conditions and procedures that are dangerous to the user. A **Caution** identifies conditions and procedures that can cause damage to the Product or the equipment under test.

Warning

To prevent possible electrical shock, fire, or personal injury:

- **Read all safety information before you use the Product.**
- **Carefully read all instructions.**
- **Do not alter the Product and use only as specified, or the protection supplied by the Product can be compromised.**
- **Do not use the Product if it is altered or damaged.**
- **Do not use the Dual Binding Post Adapters for voltages >30 V.**
- **Do not use the High Current Test Leads for voltages >30 V.**

PN 109980 (English)

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 **Warning**





To prevent possible electrical shock, fire, or personal injury when you use the Shielded Calibration Test Leads:

- **Do not use test leads if they are damaged. Examine the test leads for damaged insulation.**
- **Connect the test leads first to the Device Under Test (DUT), then to the Calibrator.**
- **Do not make connections to the Calibrator output terminals if they are energized.**
- **Before you make any connections to the output terminals, push the RESET key on the Calibrator and make sure that the Calibrator is in STANDBY mode.**
- **When you do a calibration, do not touch the probe end of the test leads. If you touch the leads, this creates a safety hazard and introduces noise and thermal errors to the measurement.**
- **Clean only with a damp cloth of mild detergent and water. Do not immerse in liquid.**

Symbols

The table below lists the symbols that can be used on the Product or in this document.

Table 1.

Symbol	Description
	Consult user documentation.
	WARNING. RISK OF DANGER.
	WARNING. HAZARDOUS VOLTAGE. Risk of electric shock.
	This product complies with the WEEE Directive marking requirements. The affixed label indicates that you must not discard this electrical/electronic product in domestic household waste. Do not dispose of this product as unsorted municipal waste.

Contact Fluke

Fluke Corporation operates worldwide. For local contact information, go to our website: www.flukecal.com.

To register your product, or to view, print, or download the latest manual or manual supplement, go to our website.

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550XA/Leads

Stackable Shrouded Test Leads.....	100 cm (one Black, one Red, one White, and one Yellow)
Shielded Calibration Test Leads	61 cm (two dual banana plug leads)
High Current Test Leads.....	25 cm (one Red, one Black)
T/C Assembly	K-Type, Beaded, Molded-Plug
T/C.....	Molded-Plug, Copper Short
Thermocouple Adapter	
Thermocouple Extension.....	0.9 m (3 ft), B (Gray Wire, White Connectors)
Thermocouple Extension.....	0.9 m (3 ft), E (Brown Wire, Purple Connectors)
Thermocouple Extension.....	0.9 m (3 ft), J (Brown Wire, Black Connectors)
Thermocouple Extension.....	0.9 m (3 ft), K (Brown Wire, Yellow Connectors)
Thermocouple Extension.....	0.9 m (3 ft), N (Brown Wire, Orange Connectors)
Thermocouple Extension.....	0.9 m (3 ft), R (Green Wire, Green Connectors)
Thermocouple Extension.....	0.9 m (3 ft), S (Green Wire, Green Connectors)
Thermocouple Extension.....	0.9 m (3 ft), T (Brown Wire, Blue Connectors)
Thermocouple Extension.....	0.9 m (3 ft), CU (White Wire, White Connectors)
T/C Assembly	J-Type, Beaded, Molded-Plug
Dual Binding Post Adapters.....	Banana Plug (2)
Soft Case	

55XXA/525A/Leads

Shielded Calibration Test Leads	61 cm (two dual banana plug leads)
High Current Test Leads.....	25 cm (one Red, one Black)
T/C Assembly	K-Type, Beaded, Molded-Plug
T/C, Molded-Plug	Copper Short
Thermocouple Adapter	
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How to Use the Shielded Calibration Test Leads

Use the Shielded Calibration Test Leads with the Multi-Product Calibrators to calibrate voltage, resistance, RTD simulation, capacitance, and current up to 3.2 A.

Use the Test Leads

For best performance from these leads:

- When you calibrate a DUT with μV sensitivity (for example, 5-1/2 and 6-1/2-digit digital multimeters), allow the test leads and connectors to temperature stabilize for several minutes before you do the calibration. See the appropriate documentation from the meter manufacturer for recommended stabilization times.
- When you use two-wire compensation, stack the test leads so that the Ω -sense lead is closest to the DUT terminal.
- These test leads are recommended for high-resistance measurements because their internal shielding reduces noise pickup.

Specifications

Stackable Shrouded Test Leads

Rated Voltage 1000 V rms, max
Rated Current 19 A, max

Shielded Calibration Test Leads

Rated Voltage:
Handheld use 30 Vrms, 60 V dc max
Hands free use 1000 Vrms max
For Calibration use only max transient 1500 V pk
Rated Current 3.2 A, max

High Current Test Leads

Rated Voltage 30 V rms or 60 V dc, max
Rated Current 30 A, max