

# *Instruction Sheet*

# **5500A/Leads**

## **Lead Set**

### **Parts Included with the Set**

Soft Case  
Test Lead, Stackable 100cm Black  
Test Lead, Stackable 100cm Red  
Test Lead, Stackable 100cm White  
Test Lead, Stackable 100cm Yellow  
T/C Assembly, K-Type, Beaded, Molded-Plug  
T/C, Molded-Plug, Copper Short  
Thermocouple Adapter  
Thermocouple Extension, 3 Feet, B (Gray Wire, White Connectors w/"U")  
Thermocouple Extension, 3 Feet, C (Orange Wire, Brown Connectors w/"C")  
Thermocouple Extension, 3 Feet, E (Brown Wire, Purple Connectors w/"E")  
Thermocouple Extension, 3 Feet, J (Brown Wire, Black Connectors w/"J")  
Thermocouple Extension, 3 Feet, K (Brown Wire, Yellow Connectors w/"K")  
Thermocouple Extension, 3 Feet, N (Brown Wire, Orange Connectors w/"N")  
Thermocouple Extension, 3 Feet, R (Green Wire, Green Connectors w/"R")  
Thermocouple Extension, 3 Feet, S (Green Wire, Green Connectors w/"S")  
Thermocouple Extension, 3 Feet, T (Brown Wire, Blue Connector w/"T")  
Thermocouple Extension, 3 Feet, CU (White Wire, White Connectors w/"U")  
T/C Assembly, J-Type, Beaded, Molded-Plug  
Dual Binding Post Adapters, Banana Plug (2)  
High Current Test Leads (one Red, one Black)  
Shielded Calibration Test Leads (two leads)

 **Warning**

**To avoid electric shock, do not use the Dual Binding Post Adapters for voltages greater than 30 V.**

 **Warning**

**To avoid electric shock, do not use the High Current Test Leads for voltages greater than 30 V.**

 **Warning**

**To avoid electric shock when using the Shielded Calibration Test Leads:**

- **Connect the test leads first to the Unit Under Test (UUT), then to the calibrator.**
- **Do not make connections to the calibrator output terminals if they are energized.**
- **Before making any connections to the output terminals, press the RESET key on the calibrator and verify that the calibrator is in STANDBY mode.**
- **When performing a calibration, do not touch any portion of the test leads. Touching the leads can create a safety hazard and introduce noise and thermal errors to the measurement.**

## ***How to Use the Shielded Calibration Test Leads***

Use the Shielded Calibration Test Leads with the 5500A and 5520A Multi-Product Calibrators to calibrate voltage, resistance, RTD simulation, capacitance, and current up to 10 A.

### ***Using the Test Leads***

To obtain the best performance from these leads:

- When calibrating a UUT with  $\mu\text{V}$  sensitivity (e.g., 5-1/2 and 6-1/2 digit digital multimeters), allow the test leads and connectors to temperature stabilize for several minutes before performing the calibration. See the appropriate documentation from the meter manufacturer for recommended stabilization times.
- When using two-wire compensation, stack the test leads so that the “ $\Omega$ -sense” lead is closest to the UUT terminal.
- These test leads are recommended for high resistance measurements because their internal shielding reduces noise pickup.

### ***Specifications***

Rated Voltage: 1000 V, Category I

Rated Current: 10 A, minimum