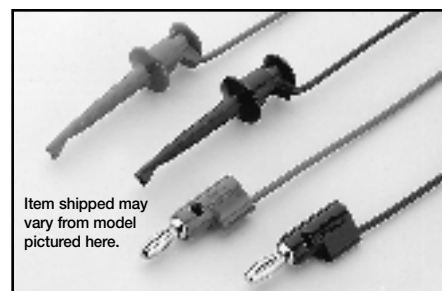


Test Leads and Probes

TEST LEADS AND PROBES SELECTOR GUIDE

MODEL	NAME	USE WITH:
1600A	High Voltage Probe	DMMs
1651	50-Ampere Shunt	DMMs
1681	Clip-On Test Lead Set	DMMs
1751	Safety Test Leads	All DMMs, 2400 Series
1754	Safety Universal Test Lead Kit	All DMMs, 2400 Series
3324	4-Terminal Alligator Clip Test Leads	3321, 3322, 3330 LCZ Meters
3325A	Kelvin Clip Test Leads	3321, 3322, 3330 LCZ Meters
3326A	Chip Component Test Leads	3321, 3322, 3330 LCZ Meters
5804	General-Purpose, 4-Terminal Test Lead Set	580, 2400 Series, 2750, DMMs
5805	Kelvin Probes, 0.9m (3 ft)	580, 2400 Series, 2750, DMMs
5805-12	Kelvin Probes, 3.6m (12 ft)	580, 2400 Series, 2750, DMMs
5806	Kelvin Clip Leads	580, 2400 Series, 2750, DMMs
5807-7	Helical Spring Point Test Leads, 2.1m (7 ft)	580, 2400 Series, 2750, DMMs
6103C	Voltage Divider Probe (1000:1)	610C, 617, 6517A Electrometers
6517-RH	Humidity Probe with Extension Cable	6517A
6517-TP	Thermocouple Bead Probe	6517A
7401	Thermocouple Wire Kit, 30m (100 ft), Type K	2001-TCSCAN, 7057A, 7700, 7706, 7708
8605	High Performance Modular Test Leads	All DMMs, 2400 Series
8606	High Performance Modular Probe Kit	All DMMs, 2400 Series
8681	Low Cost RTD	2001, 2002, 2010 DMMs (with 8680)
8693	Pt RTD General Purpose Probe	2001, 2002, 2010 DMMs (with 8680)
8695	Pt RTD Surface Probe	2001, 2002, 2010 DMMs (with 8680)
8696	Pt RTD Air/Gas Probe	2001, 2002, 2010 DMMs (with 8680)
CA-109	Test Lead Set for Output Connections	2000-SCAN, 2001-SCAN, 2001-TCSCAN



Model 1681 Clip-On Test Lead Set: Two 1.2m (48 in) leads terminated with banana plugs and spring action clip-on probes.

For use with: DMMs



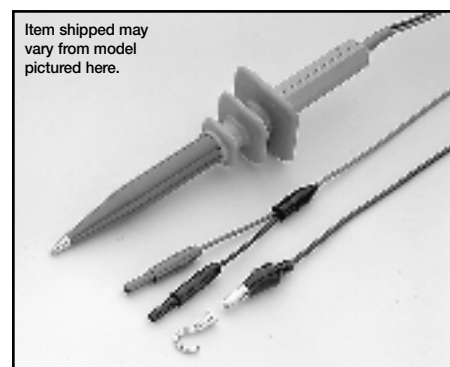
Model 1751 Safety Test Leads: 91.4cm (36 in) test lead set supplied with each Model 175A and 197A. Finger guards and shrouded banana plugs help minimize the chance of making contact with live circuitry.

For use with: All DMMs, 2400 Series
SourceMeter Instruments



Model 1754 Universal Test Lead Kit: 10-piece test lead kit with interchangeable plug-in accessories. Kit includes: 1 set of test leads, 91.4cm (36 in), 1 red and black; 2 spade lugs, 2 standard banana plugs, 2 hooks, and 2 miniature alligator clips with boots.

For use with: All DMMs, 2400 Series
SourceMeter Instruments



Model 1600A High Voltage Probe

MAXIMUM INPUT: 40kV DC or peak AC to 300Hz.
INPUT RESISTANCE: 1000MΩ.

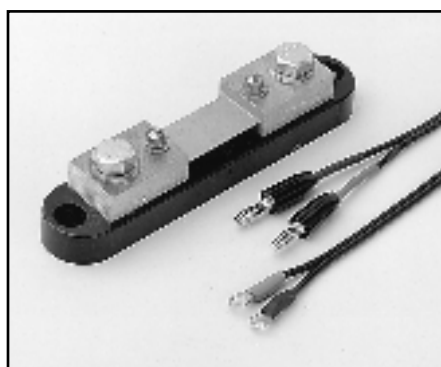
DIVISION RATIO: 1000:1 (into 10MΩ).

RATIO ACCURACY (into 10MΩ DMM): ±2.5% from 1kV to 40kV DC; -3dB at 300Hz AC.

OPERATING TEMPERATURE: 0° to 50°C.

CABLE LENGTH: 2m (6.6 ft).

For use with: DMMs



Model 1651 50 Ampere Shunt: External 0.001Ω ± 1%, 4-terminal shunt; extends current measuring capability of Keithley DMMs to 50A.

CABLE LENGTH: 1.4m (56 in).

For use with: DMMs

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Model 3324 Four-Terminal Alligator Clip Test Leads: Designed for use with low-impedance four-terminal components in which the current-supplying terminals and voltage-measurement terminals are separated. It is also useful to connect to low-impedance circuits or sub-assemblies with separated current and voltage paths. Cable length 1m (3.3 ft).

For use with: 3321, 3322, 3330 LCZ Meters



Model 3325A Kelvin Clip Test Leads: Enables two clips to be used for four-terminal connections. The 3325A is used in measuring large or irregularly-shaped components that cannot be inserted into the Model 3323 direct test fixture. It can also be used as a terminal extension. Cable length 1m (3.3 ft). Replacement leads available as P/N 3325CBL.

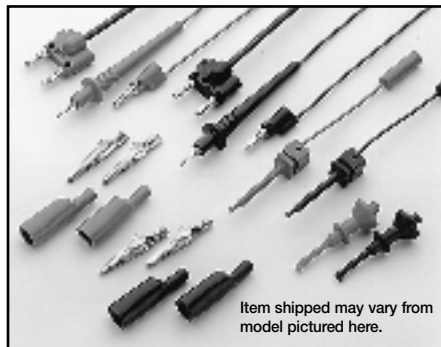
For use with: 3321, 3322, 3330 LCZ Meters



Model 3326A Chip Component Test Leads:

These tweezer-type leads are designed for easy measurement of surface-mount chip components. They are also useful in determining the impedances of small pieces of material. Cable length 1m (3.3 ft).

For use with: 3321, 3322, 3330 LCZ Meters



Model 5804 Test Lead Set: Designed to be used with Keithley instruments that measure 4-terminal resistance. Contains: 2 test leads, 0.9m (36 in), red and black; 2 test clips, red and black; 2 plunger clip adapters, red and black; 2 alligator clips with boots (accept standard test probe tip); 2 alligator clips with boots (barrels accept standard banana plugs).

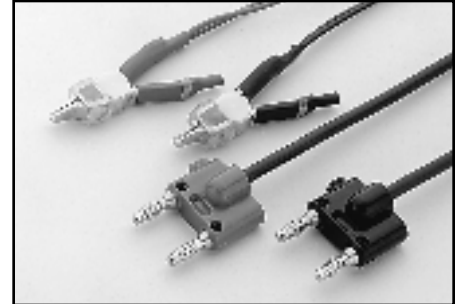
For use with: 580, 2400 Series SourceMeter Instruments, 2750, DMMs



Model 5805 Kelvin Probes: 2 spring-loaded test probes, red and black, 0.9m (36 in) with banana plug termination. Designed to be used with Keithley instruments that measure 4-terminal resistance and in-circuit current. 1/8-in spacing between pin tips. A package of 8 replacement contacts (P/N CS-551) is available.

Model 5805-12: Similar to 5805 but 3.6m (12 ft) in length.

For use with: 580, 2400 Series SourceMeter Instruments, 2750, DMMs



Model 5806 Kelvin Clip Lead Set: 2 clip test leads, red and black, 0.9m (36 in) with banana plug termination. Designed to be used with Keithley instruments that measure 4-terminal resistance. Maximum jaw opening 1/2 in. A package of 8 replacement elastic bands (P/N 5806-306B) is available.

For use with: 580, 2400 Series SourceMeter Instruments, 2750, DMMs

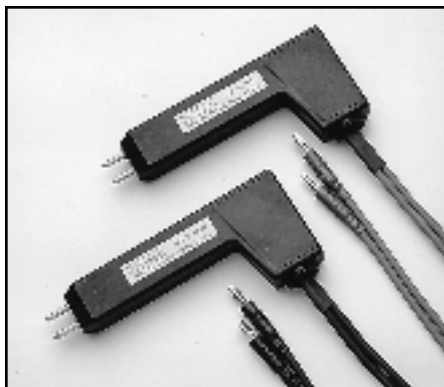
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Model 5807-7 Helical Spring Point Test Leads: Two excellent Kelvin test probes for Keithley instruments that measure 4-terminal resistance. The probes have pointed tips that rotate when pressure is exerted on the handle. Good contact is assured, and the handle can be held at any angle to the measurement surface. The lead wires terminate in banana jacks. **Lead wire length:** 2m (7 ft).

For use with: 580, 2400 Series SourceMeter Instruments, 2750, DMMs



Item shipped may vary from model pictured here.

Model 6103C Voltage Divider Probe: Permits voltage measurement to 30kV and has a 1000:1 division ratio. Accuracy is $\pm 5\%$ of reading. Its $3.8 \times 10^{11} \Omega$ input resistance permits use with Keithley electrometers. Connector is a UHF male plug. Requires the 6012 Triax to UHF Adapter when used with Models 617 and 6517A. Lead length is 0.8m (30 in). Also requires the 6171 Adapter when used with the Model 6517A.

For use with: 610C, 617, 6517A Electrometers



Model 6517-RH Humidity Probe: The 6517-RH comes with a 3m (10 ft) extension cable and is designed to be used with the 6517A Electrometer. The 6517-RH measures the relative humidity of the testing environment.

OPERATING TEMPERATURE RANGE: -10°C to $+60^\circ\text{C}$

OPERATING HUMIDITY RANGE: 0 to 100% RH

MEASURING RANGE: 10 to 90% RH

TEMPERATURE DEPENDENCE: $\leq \pm 2\%$ from -10°C to $+60^\circ\text{C}$

For use with: 6517A Electrometer



Model 6517-TP Thermocouple Bead Probe: Designed to be used with the 6517A Electrometer, the 6517-TP measures the temperature of the testing environment. 6517-TP is 36 in. long and has a temperature calibration (range) of 0°C to 1250°C .

For use with: 6517A Electrometer



Model 7401: Type K thermocouple wire kit includes 30.5m (100 ft) of type K (chromel-alumel) thermocouple wire.

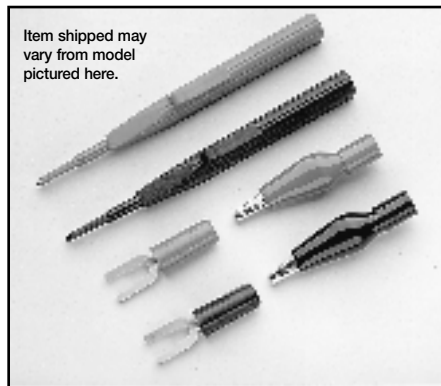
For use with: 2001-TCSCAN, 7057A, 7700, 7706, 7708



Item shipped may vary from model pictured here.

Model 8605 High Performance Modular Test Leads: Highest quality lead with silicone insulation, and removable test probes. Rated to 1600V. UL listed. **Length:** 0.9m (3 ft).

For use with: All DMMs, 2400 Series SourceMeter Instruments



Item shipped may vary from model pictured here.

Model 8606 High Performance Modular Probe Kit: For use with Model 8605 High Performance Modular Test Leads. Contains 2 each spade lugs, alligator clips, and retractable hooks.

For use with: All DMMs, 2400 Series SourceMeter Instruments

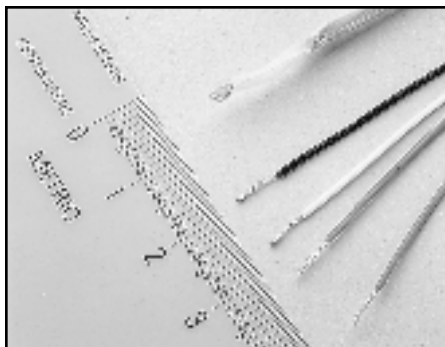
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Test Leads and Probes

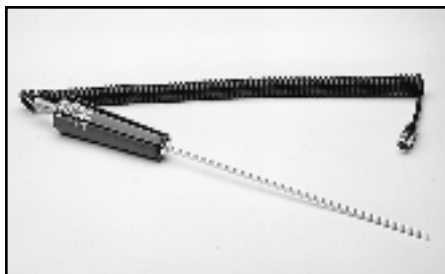


Model 8681 Low Cost RTD: This inexpensive RTD has small size (0.09 in × 0.09 in) and fast thermal response time. 100Ω, 0.385%/°C element. Meets or exceeds DIN 43760-1980-A, IEC 751:1983-A, BS1904: 1984-A, and JIS C1604-1981-0.2. Can be used with Model 8680 RTD Input Probe Adapter. Measures from -200° to +600°C.

LENGTH: 0.9m (3 ft).

ACCURACY: $\pm(0.15^{\circ}\text{C} + 0.002 \times |t|)^{\circ}\text{C}$, where $|t|$ is absolute value of temperature in °C.

For use with: 2001, 2002, 2010 DMMs (with 8680), 7700, 7702, 7706, 7708



Model 8693 General Purpose/Immersion Probe: Platinum RTD sensor. Designed for immersion in liquids as well as other general purpose applications. Measures from -220°C to +630°C; the probe has a basic tolerance of $\pm 0.3^{\circ}\text{C}$ at 0°C. 100Ω, 0.385%/°C element.

PROBE LENGTH: 20cm (8 in).

EXTENDED CABLE LENGTH: 1.5m (5 ft).

For use with: 2001, 2002, 2010 DMMs (with 8680)



Model 8695 Surface Probe: Platinum RTD sensor. Designed to measure the flat surfaces of solids from -50°C to +260°C; the probe has a basic tolerance of $\pm 0.3^{\circ}\text{C}$ at 0°C. 100Ω, 0.385%/°C element.

PROBE LENGTH: 15cm (6 in).

EXTENDED CABLE LENGTH: 1.5m (5 ft).

For use with: 2001, 2002, 2010 DMMs (with 8680)

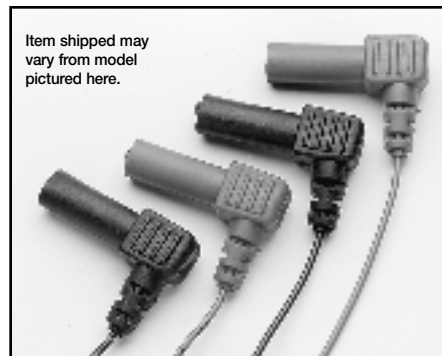


Model 8696 Air/Gas Probe: Platinum RTD sensor. Has an exposed junction within a protective shroud. Measures from -50°C to +260°C; the probe has a basic tolerance of $\pm 0.3^{\circ}\text{C}$ at 0°C. 100Ω, 0.385%/°C element.

PROBE LENGTH: 20cm (8 in).

EXTENDED CABLE LENGTH: 1.5m (5 ft).

For use with: 2001, 2002, 2010 DMMs (with 8680)



Item shipped may vary from model pictured here.

Model CA-109 Test Lead Set: For output connections (two red, two black).

For use with: 2000-SCAN, 2001-SCAN, 2001-TCSCAN