MCP-6 Kelvin Coaxial Probe

The Kelvin coaxial probe comes with a spring-loaded center pin for voltage detection, while the outer pin provides the reference current. The test leads are 6 feet long and are terminated with dual banana plugs. The probe comes with the pins installed. Ideal for precision resistance measurements* in tighter spaces. Outer pin diameter is 0.06 in (0.15 cm). The inner tip diameter is 0.4 mm.

**Cable Length** – 6 ft  
**Max Voltage and Current Rating** – 42 V, Pin to Pin or Pin to Ground, 0.8A Inner Conductor, 2.0 A Outer Conductor  
**Typical Sense Lead Resistance** – 450 mΩ  
**Typical Source Lead Resistance** – 100 mΩ  

**Repleaceable Pin Options:** P/N MCP-A (2 pins)  
Compatible with TEGAM R1L-B, R1L-BR, R1L-BR1, R1L-D1  

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*Consider the affects of Thermal offsets on your measurement. Offset compensation may be required to achieve the desired results. Contact TEGAM for more information. Sourcing through the “Sense” leads may have ill effects on the reading, and may damage the probes.*
**MKP/1750-5 Kelvin Probe**
These probes are excellent for making four-wire surface resistance measurements on films and other flat metallic surfaces. The probes are marked indicating the sense pins, ensuring an operator error free measurement. Each probe has two spring-loaded, replaceable tips that can be easily removed and replaced. Variety of probe tips available. The test leads are 5 feet long and are terminated with a Lemo connector. Pin center to pin center is 0.11 in (0.28 cm).

**Cable Length – 5 ft**
(Pins are not included with the probe set and need to be ordered separately.)

**MCP/1750-5 Kelvin Coaxial Probe**
Ideal for precision resistance measurements in tighter spaces. The probe has a spring-loaded center pin for voltage detection, while the outer pin provides the reference current. The probe comes with two pins installed. The pins are replaceable. The test leads are 5 feet long and are terminated with a Lemo connector. Outer pin diameter is 0.06 in (0.15 cm). The inner tip diameter is 0.4 mm.

**Cable Length – 5 ft**
Replaceable Pin Option: P/N MCP-A (2 pins)
TO REPLACE THE TIPS:

1. Grab the replaceable probe tip from the plunger. Do not grab the socket, or damage to the probe may occur. Pull the tip straight out with pliers.

2. To fully install the new pin, position the new pin in the socket and press it against a hard surface.

Optional Probe Configurations Offered by TEGAM

- BKP-10
- MKP-6
- MCP-6
17501 Kelvin Klip Leads
Provides a solid four-terminal connection to components under test. These clips are particularly useful for manual resistance measurement. Max jaw opening is 0.65 in. Cable length – 3 ft

KK100 Kelvin Klip Rebuild Kit
Kelvin Klip replacements for construction or repair of Kelvin Klip leads. The Kit includes slip shrink sleeving, tubing, Klip halves, and insulating spools to build two Kelvin Klips.

17502 Spade Lug Adapter
Used for connections between the 1740/1750 front panel LEMO and existing test fixtures. Cable length – 3 ft

17503 Sorting Fixture
This sorting fixture allows for efficient four-wire measurement of leaded parts. The test fixture features spring action contacts for easy insertion and removal of test components. Cable length – 3 ft

17505 Male LEMO Connector & Strain Relief
For the repair or construction of 1740/1750 test leads.

17506-5 LEMO to Bare Wire
These probes have a lemo connector at one end and four bare wires on the other. Cable length – 5 ft

17507 Large Kelvin Klip Leads
Provides a solid 4-terminal connection to large components that cannot be measured with conventional Kelvin clips. It is robust in construction, ensuring a firm grip. Used for connection with large bolts, cables, plates, etc. Cable length – 8 ft

SKT/1750-5 Chip Tweezers
Four-terminal tweezers make solid connections to chip components in manual sorting applications. Capacity of jaws is 12.7 mm (0.5 in). Contact tips are replaceable. Cable length – 5 ft
Available Tip Kits: P/N 47422 (two wire straight), 47423 (four wire straight), 47424 (four wire angled) A tip kit includes 12 tips, two screws, and one Allen wrench.

CA-22-36 RS-232 Straight Cable
Male to Female DB9-DB9 straight cable used to connect the 1740/GPIB or 1750 to a PC via RS-232. Cable length – 3 ft

1583 GPIB (IEEE-488) Cables
The cable can be used to connect the 1740/GPIB or 1750 to a PC via GPIB. 1583-3 – 3 ft GPIB buss cable 1583-6 – 6 ft GPIB buss cable 1583-9 – 9 ft GPIB buss cable