

MCP/1750-5 Kelvin Probe



MCP/1750-5 Probe with Coaxial Pin Installed

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 pin diameter is 0.4 mm.

Cable Length – 5 ft

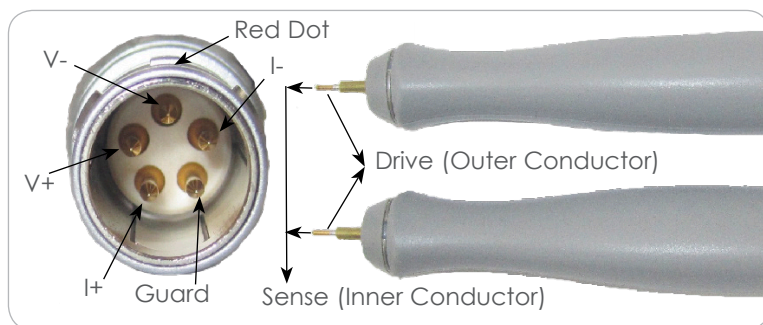
Max Voltage – Pin to Pin, Pin to Ground, 42 V max

Typical Sense Lead Resistance – 400 mΩ

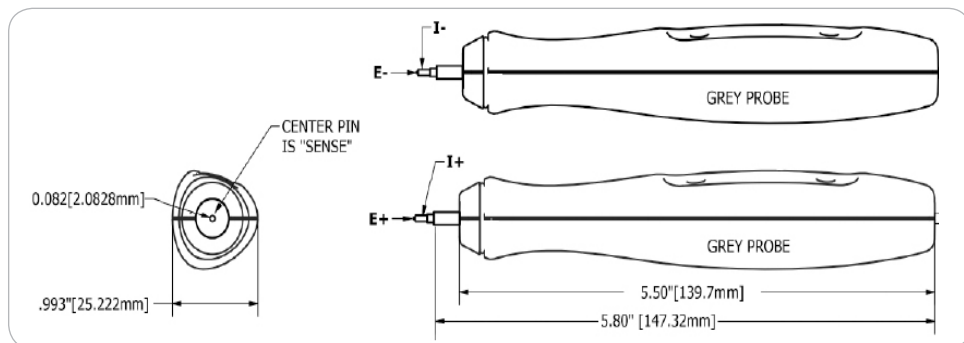
Typical Source Lead Resistance – 200 mΩ

Replaceable Pin Options: P/N MCP-A (2 pins)

Compatible with TEGAM Model 1740, 1750



MCP/1750-5 Pinout Information



MCP/1750-5 Probe Dimensions

Sourcing through the "Sense" leads may have ill effects on the reading, and may damage the probes.

Prices and specifications subject to change without notice.
MCP/1750-5-909 Rev. C

VOLTAGE AND RESISTANCE PRODUCTS

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).

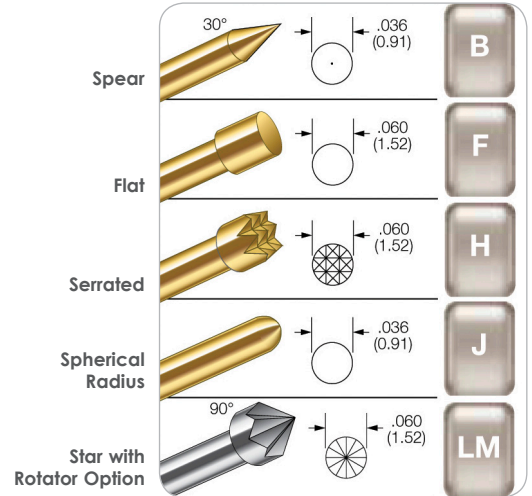
Cable Length – 5 ft

Available Pin Options: P/N MKP-B, MKP-F, MKP-H, MKP-J, MKP-LM (4 pins) (shown right)

(Pins are not included with the probe set and need to be ordered separately.)



**MKP/1750-5
Probe Set with
"B" Style Pins
Installed**



MKP/1750-5 Pin Options

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 pin diameter is 0.4 mm.

Cable Length – 5 ft

Replaceable Pin Option: P/N MCP-A (2 pins)



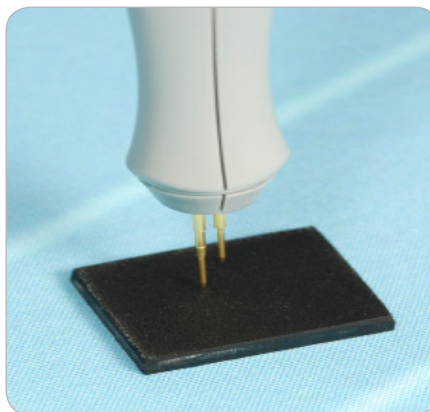
MCP/1750-5 Probe with Coaxial Pins Installed

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.

**Other Probe Configuration Offered by TEGAM****MKP/1750-5 Kelvin Coaxial Probe**

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

