

Specification Sheet

Model 5440A-7002

Low Thermal Test Lead Set

INTRODUCTION

This specification sheet lists the electrical and mechanical specifications of the 5440A-7002 Low Thermal Test Lead Set. The set includes two 5440A-7004 test leads and one 5440A-7005 test lead. The Low Thermal Test Leads are accessories for the 5440 Series calibrators. These test leads have lower thermal emf than standard test leads, minimizing the emf caused by the temperature difference between the ends of the leads.

MECHANICAL SPECIFICATIONS

Length5440A-7004: 24 in \pm 1 in

5440A-7005: 48 in \pm 1 in

Connector Size4 mm diameter

Connector StyleSafety type, with a retractable spring-loaded hood. The connector engages with a wiping action.

Connector Materials

MAIN BODYNylon

RETRACTABLE HOODNylon

STRAIN RELIEVERABS (for high leakage resistance between the center conductor and the connector shield)

CENTER CONDUCTORTellurium copper

SPRING TIPBeryllium copper

GUARD CONNECTORNylon; stackable banana plug construction

ELECTRICAL SPECIFICATIONS

Thermal EMFLess than 1.3 μV per $^{\circ}\text{C}$ when measured while engaged in a five-way binding post of Tellurium Copper Alloy 145, half hard (John Fluke PN 637892 or equivalent)

Leakage Resistance Between Center Conductor and ShieldGreater than 1.0×10^{13} ohms at 45°C and 75% R.H.

Cable TypeRG-58/U type with AWG 20 stranded and tinned center conductor (19 x .0071 in) (Belden 8262 or equivalent)

Safety Rating..... Designed to meet UL 1244 to 1100V ac

For application or operation assistance or information on Fluke products, call:

800-433-5833 in U.S.A and Canada

**John Fluke Mfg. Co., Inc
P.O. Box 9090
Everett, WA 98206-9090**

206-356-5500 from other countries

**Phillips International B.V.
T & M Dept., Building TQ111-4
5600 MD Eindhoven, The Netherlands**