

Agilent Technologies

Y1133A Low-Thermal External DMM Scanning Kit

(for the 34401A, 34410A, 34411A, and L4411A DMMs)



Product Description and Installation



WARNING

Before connecting the cable kit to the instruments, be sure to disconnect all live external voltages present on the multiplexer and analog bus.

To prevent a possible shock hazard, do not remove the input terminal block cover.

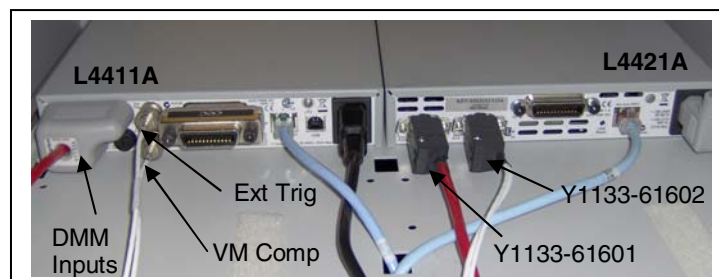
Description

The Agilent Y1133A scanning kit enables system-level scanning and measurements between standalone Agilent multiplexers and digital multimeters (DMMs). The kit consists of a measurement cable (Y1133-61601) for the transfer of input signals, and a trigger cable (Y1133-61602) which controls the scanning sequence. The cables are compatible with multiplexers such as the L4421A 40-Channel Armature Multiplexer and L4433A Dual/Quad 4x8 Reed Matrix, and the 34401A, 34410A, 34411A, and L4411A DMMs.

Connecting the Cables

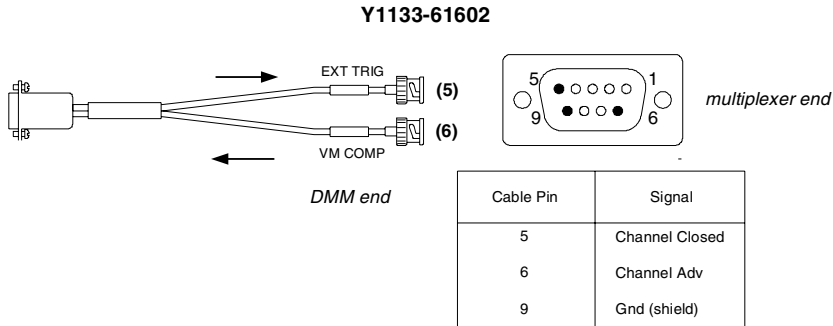
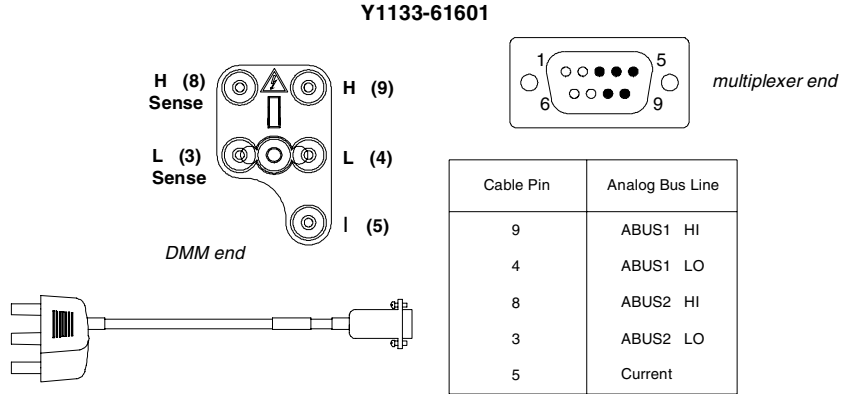
The scanning kit cables are connected between the multiplexer/matrix and DMM as described below. An example using the L4411A and L4421A is shown in the figure.

Cable	Multiplexer / Matrix	DMM
Measurement: (Y1133-61601)	Connector: "Analog Busses" (9-pin D-sub)	Connector: front/rear panel input terminals
Triggering: (Y1133-61602)	Connector: "Ext Trig" (9-pin D-sub)	Connector: rear panel "Ext Trig" (BNC) rear panel "VM Comp" (BNC)



Input Terminal and Connector Pin Out Descriptions

The cables in the Y1133A kit are configured to provide the appropriate routing of the input and scan control signals. The pin-outs and signal descriptions are shown below.



CAUTION

The maximum voltage limit on the Y1133-61601 cable is 300V DC, AC RMS. Refer to your DMM and multiplexer user documentation for information on instrument input signal specifications.

For programming information related to scanning with external (standalone) instruments, refer to the product's user documentation.

Agilent Technologies, Inc.
900 S. Taft Avenue
Loveland, CO 80537

Copyright © 2007 Agilent Technologies, Inc. All rights reserved
Printed in Malaysia
Edition 1 May 2007 E0507



Y1133-90030