

Use of molbox ohmic calibration cable

P/N 402159

INSTRUCTION SHEET

FLUKE®

Calibration

This cable kit has two uses related to the molbox mass flow terminal.

1) This kit can be used to connect the following DHI molbloc simulators:

P/N 401233 for 100 Ohm

P/N 401232 for 107 Ohm

P/N 401234 for 110 Ohm

P/N 401235 for 115 Ohm

to a precision resistance measurement standard for the purpose of measuring the resistance values of the precision resistors in the molbloc simulators. This is an important part of maintaining the measurement traceability of the molbox Ohmic Measurement System.

2) This kit can be used to connect (2) precision resistance references (decade boxes, for example) to the molbox mass flow terminal for the purpose of calibrating the molbox Ohmic Measurement System. This is in lieu of using molbloc simulators for the calibration of the molbox Ohmic Measurement System.

CABLE USE FOR VERIFICATION OF MOBLOC SIMULATORS

When using the cable to verify or measure the resistance values of the precision resistors within any of the DHI molbloc simulators, connect the 15-pin DSUB connector directly to the simulator connector. There is no need to use the included gender changer. The banana plugs are then used to connect to the resistance measurement reference. Use the 4-wire resistance measurement mode of the reference for a proper measurement.

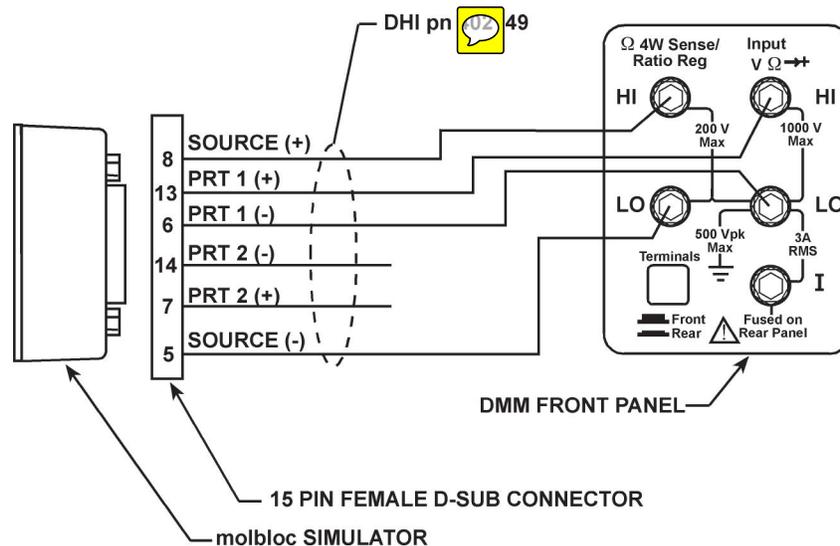


Figure 1 Cable use with DMM

CABLE USE FOR MOLBOX OHMIC SYSTEM CALIBRATION

When using the cable to apply a known resistance value to the molbox, the included gender changer will be required. Connect the gender changer to the molbox channel to be calibrated. Connect the cable to the gender changer. The banana plugs are used to connect to the decade boxes as shown in Figure 2.

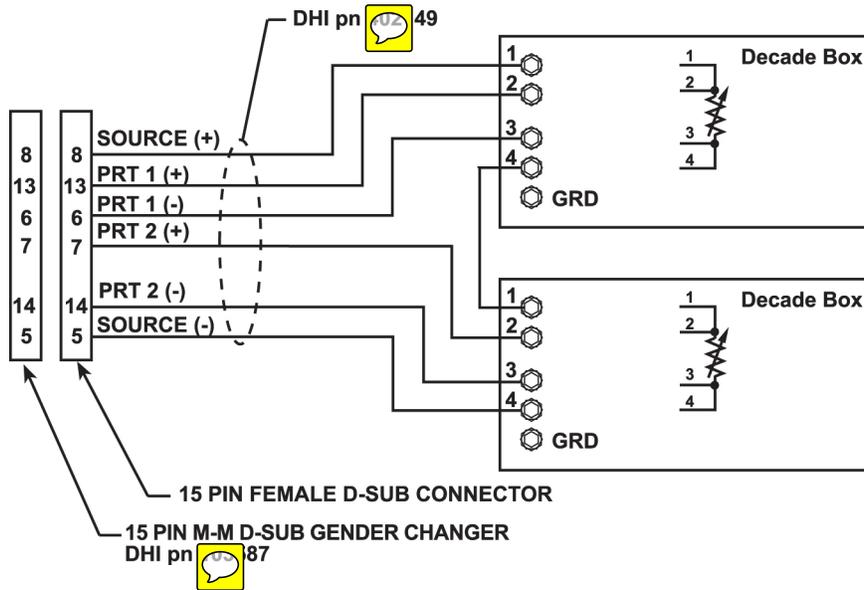


Figure 2 Cable Use with Decade Boxes

The following parts are included in the shipment:

DESCRIPTION	QTY	PART NO.
Cable, molbox ohmic calibration	1	402149
Gender changer, 15-pin M-M	1	403587
Instruction sheet	1	560074