

Instruction Sheet

Model 5790A-7001

A40 and A40A Current Shunt Adapter and Cable

INTRODUCTION

Model 5790A-7001 Fluke A40 and A40A Current Shunt Adapter allows you to connect Fluke A40 or A40A Current Shunts the 5790A SHUNT binding posts for making current transfers. Fluke A40 Current Shunts are available in current ratings of 10 mA to 5A. Fluke A40A Current Shunts are available in current ratings of 10 and 20A.

These instructions show you how to make the connections for current transfers with the 5790A. For current transfer instructions, refer to Section 4 of the 5790A Operator Manual.

NOTE

The 5790A specifies current measurements for transfer mode only. Use the 5790A ac-dc difference specification for the voltage being read from the current shunt. You supply a dc current reference to make a current transfer.

CONNECTING A FLUKE A40 SHUNT TO THE 5790A

Figure 1 shows how to connect a Fluke A40 Shunt to the 5790A SHUNT binding posts using this adapter. Proceed as follows to connect a Fluke A40 Shunt to the 5790A:

1. Connect the end of the coaxial cable with the UHF male connector to the current shunt adapter.
2. Connect the A40 shunt dual banana plugs to the current shunt adapter.
3. Connect the end of the cable with the dual bannana plugs to the 5790A SHUNT and INPUT 2 LO binding posts.

CONNECTING A FLUKE A40A SHUNT TO THE 5790A

Figure 2 shows how to connect a Fluke A40A Shunt to the 5790A SHUNT binding posts using this adapter. Proceed as follows to connect a Fluke A40A Shunt to the 5790A:

1. Connect the UHF connector end of the coaxial cable to the A40A OUTPUT UHF connector.
2. Connect the dual end of the cable with the dual bananna plugs to the 5790A SHUNT and INPUT 2 LO binding posts.

LIST OF REPLACEABLE PARTS

Table 1 is a list of the replaceable parts for the 5790A-7001 Current Shunt Adapter. Figure 3 illustrates the location and reference designators of the parts in Table 2.

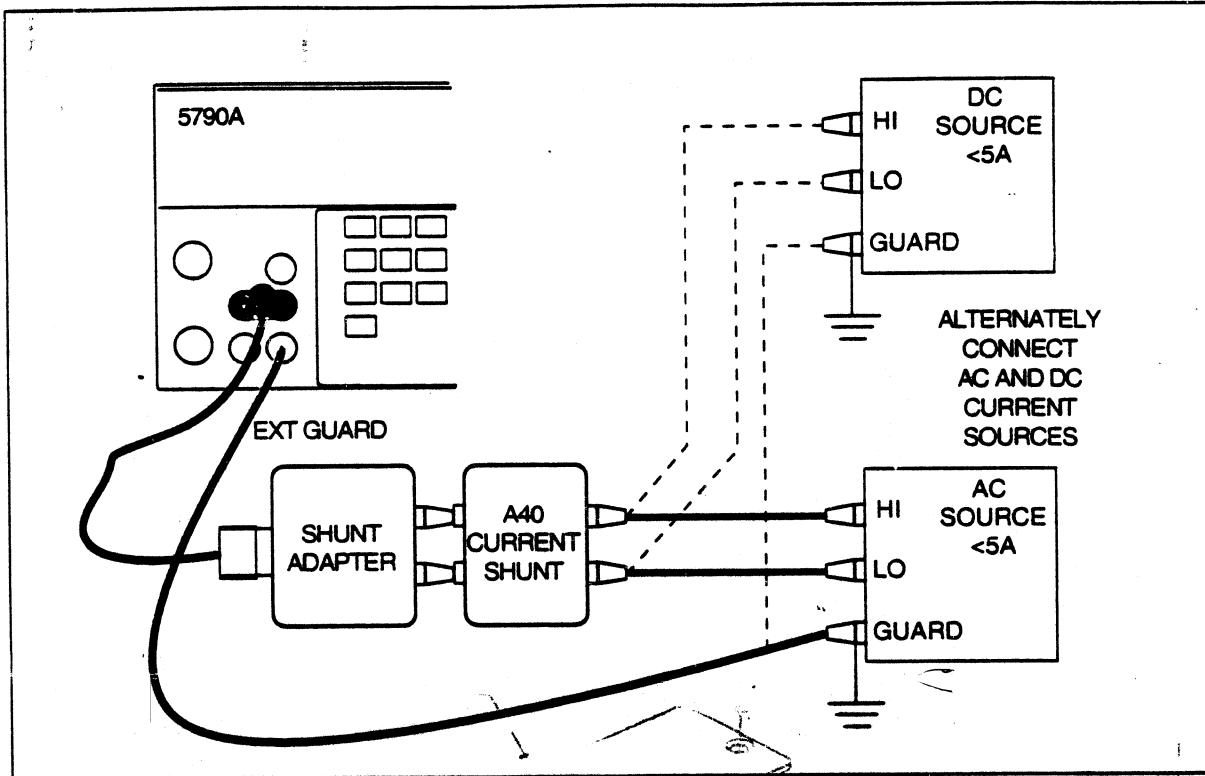


Figure 1. Connecting a FLUKE A40 Shunt to the 5790A

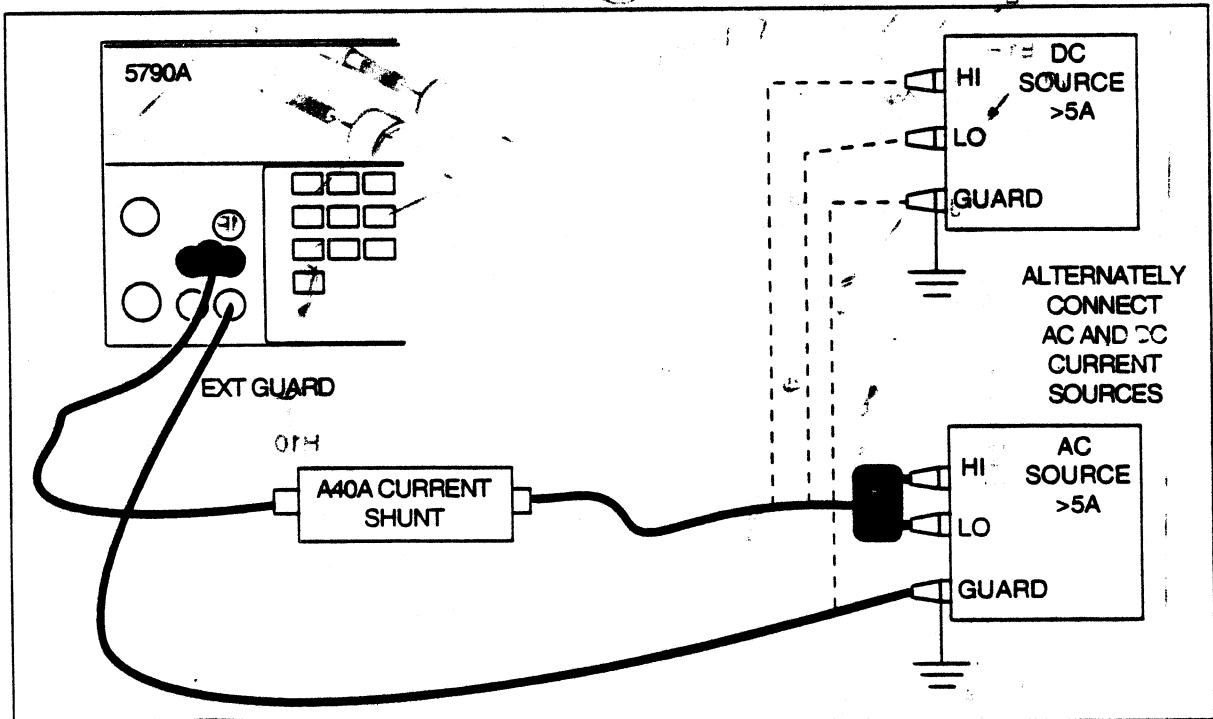


Figure 2. Connecting a FLUKE A40A Shunt to the 5790A

Table 1. Replaceable Parts

REFERENCE DESIGNATOR	FLUKE STOCK	MFRS SPLY	MANUFACTURERS PART NUMBER	TOT QTY
-A>-NUMERIC->	NO--	-CODE-	-OR GENERIC TYPE----	
E 1	237172	79963	505/805-169	1
H 1	641381	86928	5855-32-22	1
H 2- 5	185918	2M530	04041PP	4
H 6, 7	320093	74594	320093	2
H 8, 9, 10	850334	20584	850334	2
H 11	631606	86928	5724-162-32	1
J 1	222026	50738	1-212-4	1
MP 1	885756	89536	885756	1
MP 2	880757	89536	880757	1
MP 3	885764	89536	885764	1
MP 4	885769	89536	885769	1
MP 5	860457	89536	860457	1
MP 6	860452	89536	860452	1
MP 7, 8	860411	89536	860411	2
MP 9	860361	89536	860361	1
MP 10	859939	22670	859939	1
W 1	877048	05276	E12155	1
W 2	115477	04946	115477	1

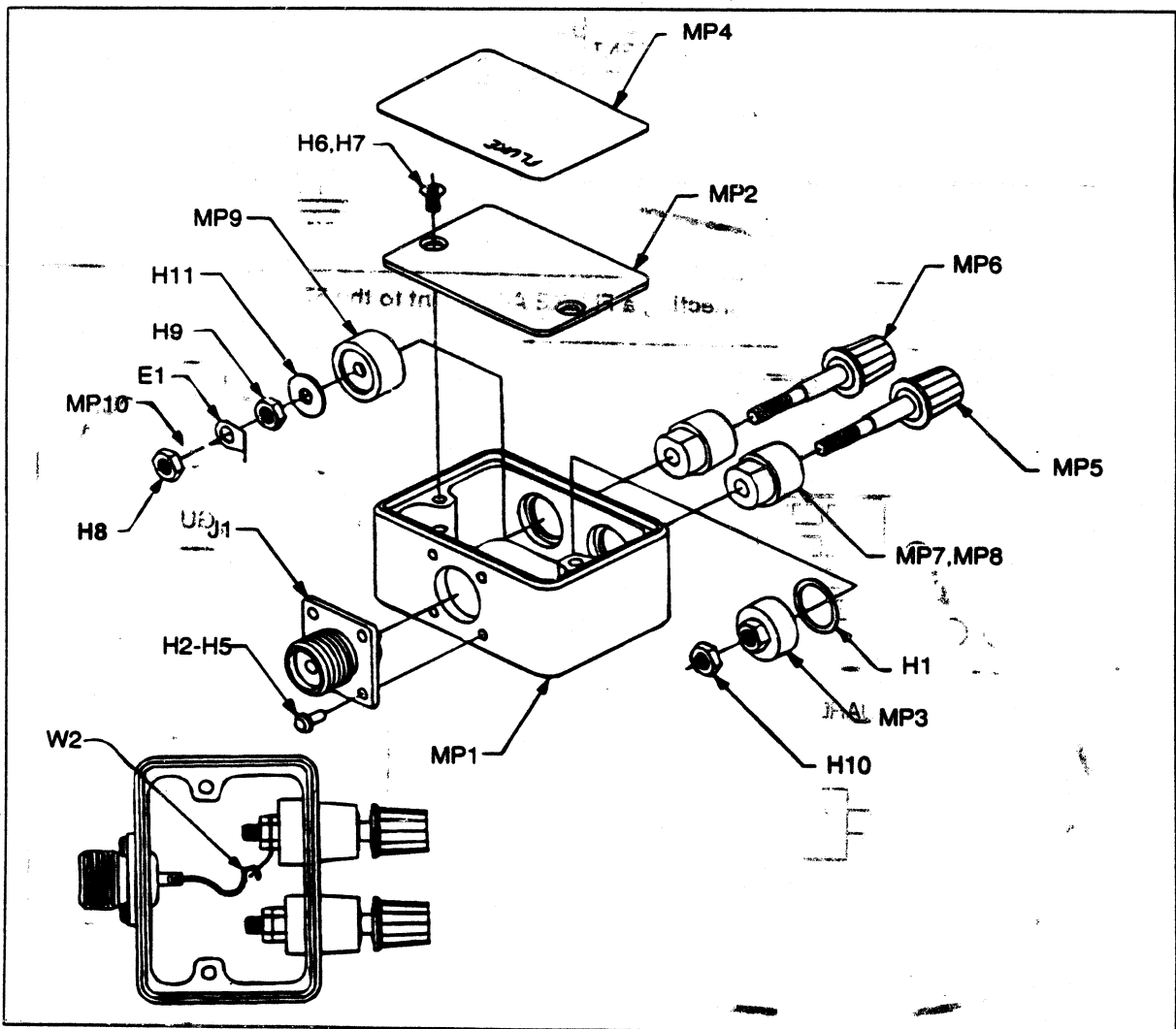


Figure 3. Parts Location and Reference Designators

