

Errata

Title & Document Type: 11045A DC Driver Operating Note

Manual Part Number: 01352-2

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About this Manual

We've added this manual to the Agilent website in an effort to help you support your product. This manual provides the best information we could find. It may be incomplete or contain dated information, and the scan quality may not be ideal. If we find a better copy in the future, we will add it to the Agilent website.

HP References in this Manual

This manual may contain references to HP or Hewlett-Packard. Please note that Hewlett-Packard's former test and measurement, life sciences, and chemical analysis businesses are now part of Agilent Technologies. The HP XXXX referred to in this document is now the Agilent XXXX. For example, model number HP8648A is now model number Agilent 8648A. We have made no changes to this manual copy.

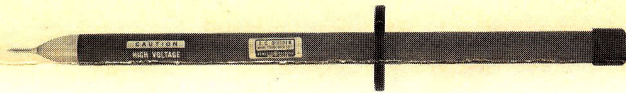
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The Model 11045A DC Divider is designed to be used in conjunction with the Model 410C Vacuum Tube Voltmeter to extend the voltmeter range to 30,000 volts. This extended range is useful for measuring the high dc voltages encountered in television receivers.

SPECIFICATIONS

- Accuracy: $\pm 5\%$
- Division Ratio: 100:1
- Maximum Voltage: 30 kv
- Input Impedance: 10,000 megohms
- Maximum Current Drain: 3 microamperes
- Overall Dimensions: 14-1/2 in. long x 2 in. diam.
- Weight: 1/2 lb.

CAUTION

This divider is used to measure voltages which are dangerous to life. Be sure the voltage source and the Model 410C Voltmeter "common" connection are connected together, and to a good ground through a low resistance path. Do not touch or ground the portion of the divider between the insulated collar and the tip. **MAXIMUM VOLTAGE THAT CAN BE SAFELY MEASURED IS 30,000 VOLTS. DO NOT EXCEED.**

PROCEDURE.

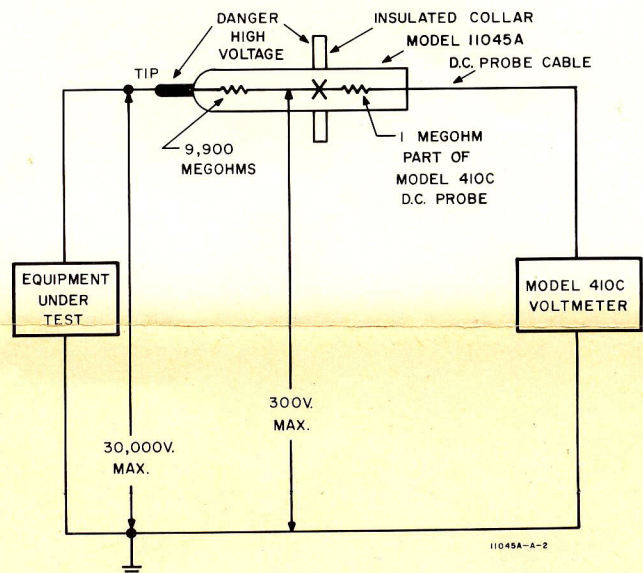
To connect the divider to the voltmeter:

1. Unscrew bakelite cap. Slip cap over dc probe onto cable.

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2. Install coil spring furnished with divider on dc probe cable by inserting the cable between the first and second coils of the spring. Rotate the spring so that it threads itself onto the cable.
3. Push the spring against the knurled cap on the end of the dc probe, seat the other end of the spring in the cup of the cupped washer. Slip the flat washer over the cable back of the cupped washer. The mouth of the slots in the washers should be 180 degrees apart.
4. Insert the probe in the rear of the divider with probe tip seated in the jack within the divider. Screw the cap to hold the dc probe securely in place.
5. Turn on the Model 410C and set to the proper range. Connect the voltmeter ground lead to the equipment to be measured and observe the CAUTIONS set forth above.

NOTE: When making voltage measurements it is necessary that the divider remain connected to the voltage source until the voltmeter indication stabilizes. The time required will depend on the humidity of the air in the vicinity of the divider. This time may vary from a few seconds to several minutes.



Schematic Diagram of Model 11045A

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TABLE OF REPLACEABLE PARTS

Description	Mfr.	Ⓟ Stock No.	TQ	RS
Collar	28480	459A-25J	1	0
Insert "A" (cupped washer)	28480	459A-25F	1	1
Insert "B" (flat washer)	28480	459A-25G	1	1
Probe Cap	28480	1490-0003	1	1
Probe Handle	28480	1490-0001	1	0
Resistor: fixed, wirewound, 9,900 megohms $\pm 3\%$, 10 W	77764	0815-0027	1	1
Spring	28480	1460-0005	1	1