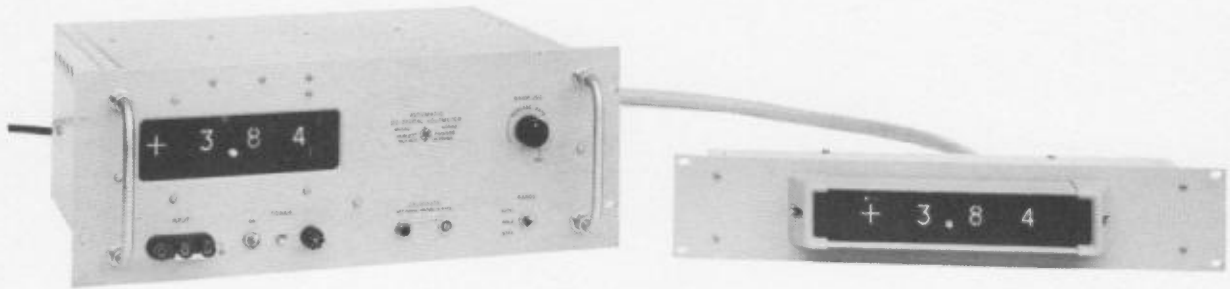




APPLICATION NOTES

APPLICATION NOTE 41C

REMOTE INDICATIONS OF DC VOLTAGES WITH THE MODEL 405AR DIGITAL VOLTMETER



There are numerous applications where a remote indication of the voltage readings of the Model 405AR Digital Voltmeter is desirable or necessary.

A Remote Indicator (K05 405A) and a connecting cable (K07 405A, price \$75.00 + \$2.25/ft.) are available from the factory. In the photograph the Remote Indicator and cable are on the right and the Model 405AR adapted for operation with the Remote Indicator appears on the left. Note that this arrangement provides a remote decimal and polarity as well as remote numbers. A standard Model 405AR can be easily adapted to operate the Remote Indicator.

Procedure:

1) Connect a 4.7K, 1 watt resistor from the top

of R126 to pin 40 of the jack (J3A) at the rear of the 405AR. (The resistor is to drop the 405AR 300 volt supply to about 240V for proper operation of the remote digital display tubes.) R126 is attached to a one lug terminal just to the left of the power transformer as seen from the bottom. If a better mounting for the 4.7K resistor is desired, the one lug terminal can be replaced with a two lug terminal.

2) Connect a wire from pin #16 of the power transformer to pin #39 of J3A to supply the 6.3 VAC for lighting the remote decimal point.

The Model 405CR Digital Voltmeter includes the Model 405AR modification described above.

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