

INSTRUCTION



FOLDER

MODEL PR-28

HIGH-VOLTAGE PROBE

The **B & K-Precision** high-voltage probe is a self-contained range multiplier designed to extend the voltage range of any constant input impedance type voltmeter. It is particularly suited for use with the following **B & K-Precision** instruments:

MODEL NUMBER

277	390	2706	2818	2833	2906
290	391	2707	2820	2834	2907
377	2703	2804	2830	2835	2911
388A	2703A	2806	2831	2845	2912
388HD	2704	2807	2831A	2860	2940
389	2704A	2816	2832	2905	2945

~~The outside case is made of high-impact ABS type plastic, which insures excellent insulation, impact resistance, and light weight.~~

SPECIFICATIONS

Voltage Range:	Usable up to 40 kV DC. Multiplies instrument range by 1000. (E.g., 10 V becomes 10,000 V). May be used with any instrument having a constant input impedance of 10 or 15 M Ω .
Impedance:	600 M Ω nominal.
Accuracy:	$\pm 3\%$, plus instrument accuracy.
Calibration:	Internal; factory calibrated at 25 kV.
Frequency Range:	DC to 80 Hz.

IMPORTANCE OF MEASURING THE HIGH VOLTAGE

All color TV sets require a specified value of high voltage. If the high voltage is incorrect, the set may not function properly. Before any color set can be accurately converged, the high voltage must be checked and/or adjusted to the manufacturer's specifications.

A second reason for checking the high voltage arises from the possibility of X-ray radiation from certain sets, particularly older models. The possibility of this hazard is increased if the high voltage of the receiver is excessive. Always check the manufacturer's instructions and specifications prior to performing high-voltage measurements.

MEASURING HIGH VOLTAGE IN TV SETS

WARNING

ALWAYS CONNECT THE GROUND LEAD BEFORE MAKING ANY MEASUREMENTS. Always make measurements with one hand behind your back or in your pocket. Avoid contacting any exposed metal parts. Do not stand on wet floors. A dry piece of plastic is useful as a place to stand.

In handling replacement CRT's, remember many picture tubes have conductive coatings which can hold a charge long after the set is turned off.

1. Connect the PR-28 cable connector to a suitable voltmeter, such as B & K-Precision Models listed on front page. Observe polarity.
2. Set the voltmeter to the DC VOLTS function.
3. Set the range switch to 50 V or 100 V. (PR-28 multiplies range by 1000.)
4. Connect the alligator ground clip to the chassis or ground side. Be sure the probe is free of dust and moisture.
5. Locate the high-voltage point on the picture tube or in the high-voltage compartment.
6. Touch the probe tip to the high-voltage point. Make sure that your free hand is held behind you and that the hand holding the probe is not in contact with any other point. Read the high voltage on the meter.

MAINTENANCE

The Model PR-28 high-voltage probe is designed to give years of trouble-free service. If any malfunction occurs check the following:

1. Ground lead and clip.
2. Probe tip.
3. Accumulation of grease or dust.

If the probe still fails to operate properly, contact your nearest local B & K-Precision distributor, or write to:

B & K-Precision, Factory Service Department
Maxtec International Corporation
6470 West Cortland Street
Chicago, Illinois 60635

**B & K-PRECISION MODEL PR-28 HIGH-VOLTAGE MULTIPLIER PROBE
PARTS LIST**

DESCRIPTION	B & K-PRECISION PART NUMBER
600 M Ω \pm 15%, 5 W, High-Voltage Resistor	004-154-9-001
3 M Ω , Trimmer Potentiometer	008-082-9-001
Circuit Board Contact Clip	261-065-9-902
Spring, Resistor	767-037-9-001
Printed Circuit Board	302-178-9-005
Handle, Probe	380-238-9-001
Body, Probe.....	380-239-9-001
Screw, 6-32 X 5/16"	628-005-1-920
Cable Assembly	523-127-9-001
Probe Tip, Round.....	769-083-9-902

ACCESSORIES

Model LC-32 Vinyl Carrying Case (not included)

PARTS ORDERING INFORMATION:

Orders will be shipped C.O.D. unless previous open account arrangements have been made or remittance accompanies order. Advance remittance must cover handling, postage, or express charges. Specify model and serial number when ordering replacement parts.

ORDER REPLACEMENT PARTS FROM:

B & K-Precision, Factory Service Department
Maxtec International Corporation
6470 West Cortland Street
Chicago, Illinois 60635
Telephone: (312) 889-1448

LIMITED ONE YEAR WARRANTY

MAXTEC INTERNATIONAL CORPORATION warrants to the original purchaser that its **B & K-Precision** product, and the component parts thereof, will be free from defects in workmanship and materials for a period of one year from the date of purchase.

MAXTEC will, without charge, repair or replace, at its option, defective product or component parts upon delivery to an authorized **B & K-Precision** service contractor or the factory service department, accompanied by proof of the purchase date in the form of a sales receipt.

To obtain warranty coverage in the U.S.A., this product must be registered by completing and mailing the enclosed warranty registration card to MAXTEC, **B & K-Precision**, 6470 West Cortland Street, Chicago, Illinois 60635 within (15) days from the date of purchase.

Exclusions: This warranty does not apply in the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs. It is void if the serial number is altered, defaced or removed.

MAXTEC shall not be liable for any consequential damages, including without limitation damages resulting from loss of use. Some states do not allow limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific rights and you may also have other rights which vary from state to state.

For your convenience we suggest you contact your **B & K-Precision** distributor, who may be authorized to make repairs or can refer you to the nearest service contractor. If warranty service cannot be obtained locally, please send the unit to **B & K-Precision** Service Department, 6470 West Cortland Street, Chicago, Illinois 60635, properly packaged to avoid damage in shipment.

B & K-Precision Test Instruments warrants products sold only in the U.S.A. and its overseas territories. In other countries, each distributor warrants the **B & K-Precision** products which it sells.



BK PRECISION®

6470 W. Cortland St.
Chicago, IL 60635