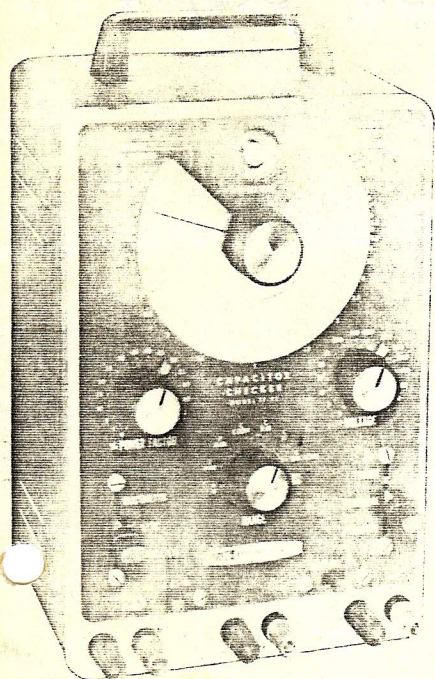


Assembly and Operation of the



CAPACITOR CHECKER

MODEL IT-11



HEATH COMPANY,
BENTON HARBOR,
MICHIGAN

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FACTOR DE POTENCIA: ES LA POTENCIA DISIPADA EN UN CONDENSADOR DEBIDO A SU RESISTENCIA INTERNA. UNA LECTURA DE FACTOR DE POT. DEL SOY. INDICA QUE LA CAPACI.

DAD EFECTIVA DEL CONDENSADOR HA DISMINUIDO AL 85 %
DEL VALOR DEL CAPACITOR . CUALQUIER INDICACIÓN
DE FACTOR DE POT. MENOR QUE EL 40,50% ES PASABLE
VALORES SUPERIORES HACEN DUDOSO EL CONDENSADOR -
FUGA: SI EL OJO PERMANECE COMPLETAMENTE CERRADO
EL CAPACITOR TIENE EXCESIVA PERDIDA O ESTA EN CORTO-
CIRCUITO - SI EL OJO SE CIERRA PARCIALMENTE EL
CONDENSADOR ESTA INUTILIZADO. ESTA PRUEBA ES MUY
CERTERA EN PAPEL, MICA, CERAMICA - EN LOS ELECTRO-
LITICOS HAY CIERTA CANTIDAD DE PERDIDA PROPIA
CONSULTAR MANUAL -

EYE TUBE: Indicates when the bridge is balanced and shows the condition of the capacitor under test.

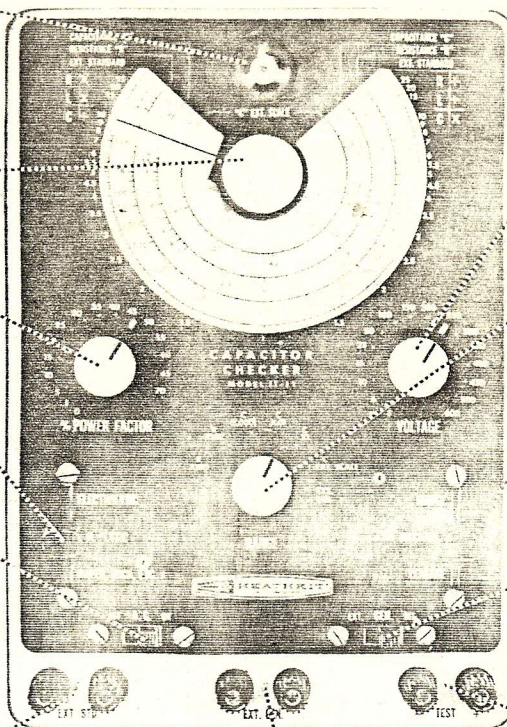
BALANCE CONTROL: Permits varying two arms of the bridge for balancing purposes.

POWER FACTOR CONTROL: Balances the series resistance of the capacitor under test.

TYPE SWITCH: Sets up the leakage circuit for testing the various types of capacitors.

AC ON-OFF SWITCH: Is used to turn the instrument on or off.

EXT. STD. TERMINALS: Permits connecting an external standard component into the bridge circuit.



VOLTAGE SWITCH: Selects the proper working voltage when checking capacitor leakage.

RANGE SWITCH: Selects the proper standard for the bridge circuit.

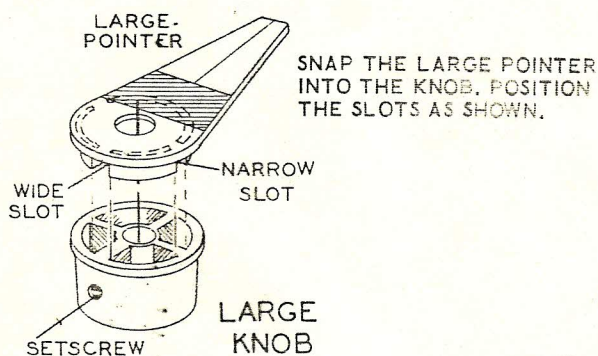
BRIDGE-LEAKAGE SWITCH: Selects desired Test Circuit: BRIDGE DISCHARGE, or LEAKAGE.

GEN. EXT.-INT. SWITCH: Permits selecting the internal generator or an external generator.

EXT. GEN. TERMINALS: Permits powering the bridge with an external generator.

TEST TERMINALS: Are used for connecting the component under test to the bridge circuit.

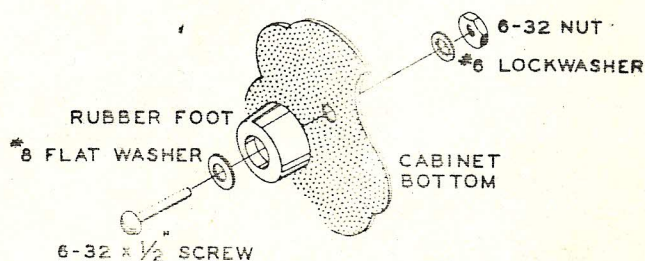
Pictorial 12



Detail 12B

- () Install a knob on each of the two lever switches.
- () Install the six binding post caps in the positions shown in Pictorial 12.
- () Fasten the handle to the cabinet, using two #10 x 1/2" sheet metal screws.

- () Referring to Detail 12C, fasten the rubber feet to the cabinet using four 6-32 x 1/2" screws, #8 flat washers, #6 lockwashers, and 6-32 nuts.



Detail 12C

Set the cabinet aside to be installed later. The only remaining parts should be a 200 Ω 1% precision resistor, a 1.5 megohm resistor, and a 100 K Ω resistor which will be used in calibration.

