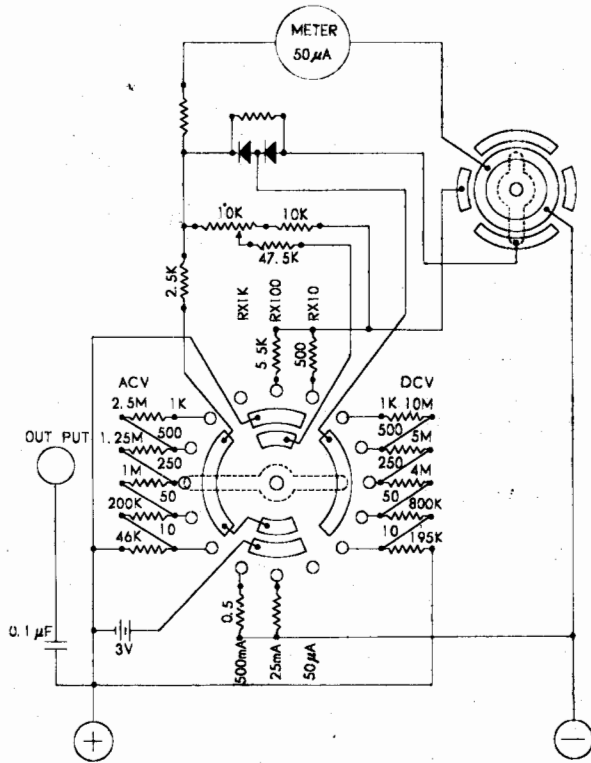


DIAGRAM



Printed in Japan

MT-316

MULTI-TESTER

20,000 OHMS PER VOLT

METER OVERLOAD PROTECTION

AND SHOCK-PROOF

FEATURES

1. 1% PRECISION RESISTORS USED THROUGHOUT.
2. SINGLE CONTROL SYSTEM FOR ALL RANGES.
3. COMPACT AND LIGHTWEIGHT.
4. HIGHLY ACCURATE.

SPECIFICATIONS

1. Sensitivity: 20,000 ohms per volt DC
5,000 ohms per volt AC
2. Ranges : DC Voltage: 0 - 10 - 50 - 250 - 500 - 1,000V
AC Voltage: 0 - 10 - 50 - 250 - 500 - 1,500V
DC Current: 0 - 50uA. 0 - 25 - 500mA.
(all at 250mV)
Resistance : Ranges Center Scale
 0 - 50,000 ohms 500 ohms
 0 - 0.5 megohms 5,000 ohms
 0 - 5 megohms 50,000 ohms
Decibels : -20 to +36db. (2 ranges)
3. Dimensions: 5 - 1/8" x 3 - 3/4" x 1 - 5/8"
4. Net Weight: 1.1 lbs. (with Batteries)
5. Meter sensitivity: 50 uA.

CAUTION: REMOVE SCREWS FROM SIDE OF MULTITESTER AND GENTLY REMOVE COVER. CUT WIRE BEHIND METER WITH RED TUBING AT BOTH ENDS AND REMOVE. THIS WIRE SHORTS THE METER MOVEMENT TO PREVENT DAMAGE TO THE MOVEMENT WHILE IN TRANSIT. ADJUST SET SCREW UNDER METER FACE AND SET POINTER TO ZERO.

INSTALLING OF BATTERIES

Place two penlite batteries in slots on both side of the meter movement. The positive (+) side (protruding side) of the battery must face the small contact and the negative (-) side (bottom) to the spring clip.

OPERATING INSTRUCTION

VOLTAGE AND CURRENT MEASUREMENT AC/DC

Insert red test lead plug into plus (+) jack. The black test lead to the minus (-) jack. Set selector switch to required range and measure voltage or current.

CAUTION: IF VOLTAGE OR CURRENT OF UNKNOWN VALUES ARE TO BE MEASURED, SELECT MAXIMUM RANGE AND THEN LOWER THE RANGE FOR EASIER READING.

MEASURING OF AUDIO FREQUENCY POWER LEVEL AND VOLTAGE

Plug the red test lead into OUTPUT jack with the black test lead in minus (-) jack. Set the selector switch to 10 or 50 Volt/AC range to read decibels. For Voltage reading, set selector switch to AC voltage and read AC voltage scale.

RESISTANCE MEASUREMENT

To measure resistance turn selector switch to range desired. Short the test leads and turn zero ohm adjust for zero indication on meter. Measure resistance by connecting test leads to resistor or circuit. Be sure no currents are flowing through circuit being measured.

REMARKS: Replace batteries in the event zero ohm adjust does not move pointer to zero.