

ON/OFF SWITCH: Power.

LCR / DCR / \rightarrow (LCR AUTO CHECK > 2 sec) Button

1. Shift "L (Inductance)" \leftrightarrow "C (Capacitance)" \leftrightarrow "R (Resistance)" \leftrightarrow "DCR (DC Resistance)" \leftrightarrow " \rightarrow DIODE TEST" ranges.
2. Depress this button for more than 2 seconds to enter LCR AUTO TEST mode.
3. Depress this button again for more than 2 seconds to exit.
4. Note: In the LCR Auto Check mode, the "AUTO" symbol will flash continuously on the display.

DQR (SER / PAL > 2 sec) Button

1. Shift "D "(Dissipation factor)" \leftrightarrow "R "(Equivalent series or parallel resistance), "Q "(Quality factor)" \leftrightarrow "R "(Equivalent series or parallel resistance) measurement parameters.
2. Depress this button for more than 2 seconds to enter "SER(Series test mode)" \leftrightarrow PAL(Parallel test mode)".
3. Depress this button again for more than 2 seconds to exit.
4. Auto-detection is defaulted for the SER(series test mode) and PAL (parallel test mode). SER(series test mode) defaults for resistance to be measured lower than 10K Ω ; and PAL (parallel test mode) defaults for resistance to be measured higher than 10K Ω . Depressing DQR/SER/PAL button can settle to either SER(series test mode) or PAL (parallel test mode).

FREQ (LEVEL 0.1V/0.5V RMS > 2 sec) Button

1. Shift "100Hz" \leftrightarrow "120Hz" \leftrightarrow "1KHz" \leftrightarrow "10KHz" test frequency.
2. Depress this button for more than 2 seconds to enter "0.1V"RMS \leftrightarrow "0.5V"RMS test signal amplitude (LCR mode).
3. Depress this button again for more than 2 seconds to exit.

Data Hold Feature

Press [HOLD] button to toggle in and out of the Data Hold mode.

In the data hold mode, the " HOLD" annunciator is displayed and the last reading is held on the display. Press [HOLD] button again to release the hold and current readings are once again displayed.

Inductance(L) Measurements

1. Set the function " L " position.
2. Touch the probes to the Inductance.
3. Read the Inductance directly from the display.
4. In the Inductance(L) mode, if a capacitor is measured by mistake, the meter will show a negative value on the display to indicate the mistaken measurement.
5. When performing tests, do not touch the metal part of the tweezers by hands, otherwise the readings would be disturbed and inaccurate.

Capacitance(C) Measurements

1. Set the Function to " C " position.
2. Touch the probes to the capacitor.
3. Read the capacitance directly from the display.
4. Discharge the capacitor before taking capacitance measurements.
5. In the Capacitance(C) mode, if an inductor is measured by mistake, the meter will show a negative sign in front of the reading on the display to indicate the mistaken measurement.
6. When performing tests, do not touch the metal part of the tweezers by hands, otherwise the readings would be disturbed and inaccurate.

Resistance Measurements

1. Set the function to " R " or " DCR " position.
2. Turn off power to the circuit under test. External voltage across the components causes invalid readings.
3. Touch the probes to the test points. In ohms, the value indicated in the display is the measured value of resistance with proper decimal point and annunciator indication.
4. When performing tests, do not touch the metal part of the tweezers by hands, otherwise the readings would be disturbed and inaccurate.

Testing Diodes

1. Set the Function to " \rightarrow " position.
2. Turn off power to the circuit under test. External voltage across the components causes invalid readings.
3. Touch probes to the diode. A forward-voltage drop is about 0.6V (typical for a silicon diode).
4. Reverse probes. If the diode is good, "OL" is displayed. If the diode is shorted, a value near 0mV will be displayed.
5. If the diode is open, "OL" is displayed in both directions.
6. Audible Indiction: Less than 0.05V.

Auto Power off

1. Auto power off: approx. 30 minutes.
2. After auto power off, ON/OFF switch to restart the meter.

Cancellation Of Auto Power Off Feature

Press and hold the (HOLD) button while moving slide switch from off to any position to turn on the meter . The auto power off feature is disabled. Note "APO" annunciator is missing from the LCD.

Cleaning

Wipe the case with a damp cloth and mild detergent. Do not use abrasives or solvents. Dirt or moisture in the terminals can affect readings.



EMC: Conforms to EN61326-1.

The symbols used on this instrument are:

Caution, refer to accompanying documents

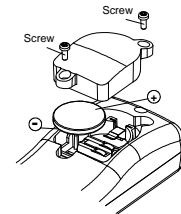
Equipment protected throughout by Double insulation (Class II)

BATTERYREPLACEMENT

Remove the batteries if the meter will be long time of no use.

Power is supplied by a 3volt button-type lithium batteries x2, CR2032. "" appears on the LCD display when replacement is needed.

1. Set the Function Switch to OFF.
2. Remove battery cover screw.
3. Slide off battery cover and change battery.
4. Replace battery cover and screw.



Battery
Compartment Cover
Battery Replacement