

# Test the Characteristics of a Tantalum Capacitor

Continuously measure the capacitance and impedance of a tantalum capacitor with one impedance analyzer.

## Highlights

- The IM3570 Impedance Analyzer can measure the charge-discharge (C-D) at 100 Hz or 120 Hz and the impedance at 100 kHz or 1 MHz.
- With the IM3570, a maximum of 2.5 V DC bias can be applied to perform measurement.
- A comparator function judges and displays the C-D and the impedance, respectively.
- High-speed measurement can be performed because the waiting time to switch measurement frequencies during continuous measurement is as short as 1 ms.



## How to use

- Save the measurement conditions to the panel using a panel save function (up to 30 LCR measurement conditions can be saved).
- To superimpose the DC voltage, set the DC voltage to be superimposed and set the DC bias function to ON.
- In the continuous measurement mode function, select the panel to perform continuous measurement from the panel (measurement conditions) list.
- Set the trigger and start measurement.



Measurement and Judgment example of continuous measurement function.

## Products used

IMPEDANCE ANALYZER IM3570  
FOUR-TERMINAL PROBE L2000

S0024-E00  
July 2010