

# Test the Characteristics of Functional Polymer Capacitors

One IM3570 Impedance Analyzer can continuously measure the low equivalent series resistance (ESR) and capacitance of polymer capacitors, conductive polymer electrolytic capacitors, and conductive polymer tantalum capacitors.

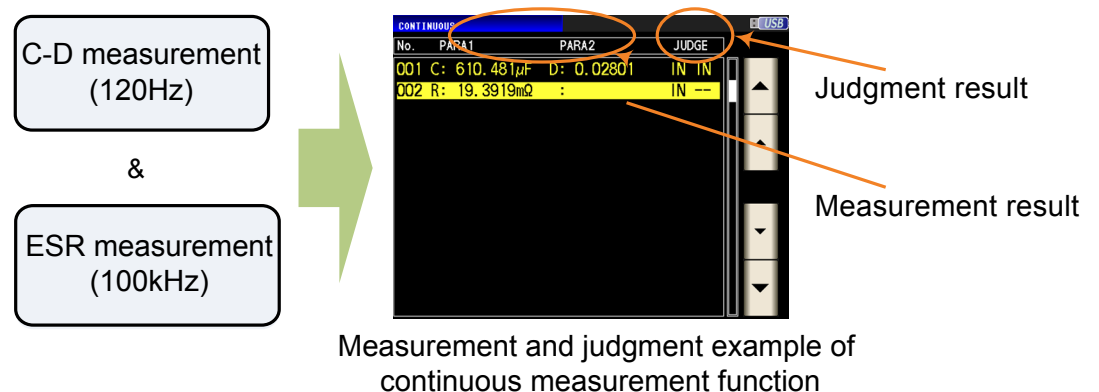
## ■ Highlights

- The LCR mode of the IM3570 can continuously measure C-D (capacitance and dissipation factor) at 120 Hz and ESR at 100 kHz.
- To measure ESR, use the low impedance high accuracy mode. Low impedance measurement with improved repeatability can be performed. A 4-terminal contact check function (open contact check only) improves measurement accuracy.
- A comparator function judges the acceptance or rejection of C-D and ESR, respectively.
- A short waiting time of 1 ms for switching measurement frequencies during continuous measurement enables high speed measurement.



## ■ How to use

- Save the measurement conditions in the panel using the panel save function (up to 30 LCR measurement conditions can be set).
- Turn on the low impedance mode function.
- In the continuous measurement mode function, select the panel (measurement condition) to be measured continuously from the panel list.
- Start measurement.



## Products used

IMPEDANCE ANALYZER IM3570  
FOUR-TERMINAL PROBE (DC to 5 MHz)