

INFORMATION ONLY – DOES NOT COMMUNICATE
A MODIFICATION OR SAFETY CONDITION

4288A-05

S E R V I C E N O T E

Supersedes:
NONE

4288A 1 kHz/1 MHz Capacitance Meter

**Serial Numbers: JP1KH00101 and above
MY41100101 to MY41101889**

Intermittent display of OVLD or a high capacitance value when measuring Open state

This service note describes symptom and remedy for OVLD or an extremely large capacitance value that is displayed at a very low incidence when a measured admittance is zero (DUT is open state).

Parts Required:
None

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

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ADDITIONAL INFORMATION:

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Situation:

The 4288A with specified serial numbers may display OVLD or an extremely large capacitance value at a low incidence below once in 100000 measurements when measuring open state (no DUT is connected to measurement terminals). This symptom arises when a measured current is exactly zero and its value (zero) is substituted for a denominator in impedance calculation equation.

Solution/Action:

This bug has been fixed on Firmware Revision 1.23.

When the 4288A is in for service because it exhibits the aforementioned symptom, update the 4288A firmware. (Install firmware later than Revision 1.23.)