

U1282A-01

# Modification Recommended Service Note

Supersedes:  
NONE

## U1282A Handheld Digit Multimeter

Serial Numbers: "See Appendix (A)"

**The Problem** – Capacitance measurement may be out of specification at 100nF range and below.

### Parts Required:

P/N Description Qty.

Pomona 2BC-36 double banana plug both ends cable assembly

### ADMINISTRATIVE INFORMATION

ACTION	<input checked="" type="checkbox"/> ON SPECIFIED FAILURE	STANDARDS	
CATEGORY:	<input type="checkbox"/> AGREEABLE TIME	LABOR:	0.1 Hours
LOCATION	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE	SERVICE:	<input type="checkbox"/> RETURN
CATEGORY:	<input type="checkbox"/> ON-SITE (active On-site contract required)	INVENTORY:	<input type="checkbox"/> SCRAP
	<input type="checkbox"/> SERVICE CENTER		<input type="checkbox"/> SCRAP
	<input type="checkbox"/> CHANNEL PARTNERS		<input checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL:	20 April 2017
	<input type="checkbox"/> Calibration Required	PRODUCT LINE:	WC
	<input checked="" type="checkbox"/> Calibration NOT Required	AUTHOR:	SJ

ADDITIONAL INFORMATION:

**Situation:**

U1282A within the serial number range may not meet the specification for capacitance measurement in 100nF range and below. This is due to improper open adjustment performed at factory which the cable has been used to perform the open adjustment, has caused a negative offset stored in the multimeter's memory.

**Solution/Action:**

To verify whether the multimeter is impacted with capacitance measurement in 100nF range and below:

1. Turn the knob to the Capacitance measurement position.
2. Manual set the range to 10 nF range.
3. Plug in one end of the Pomona 2BC-36 cable assembly across the capacitance measurement terminal, leave the other end of the cable assembly open.
4. The U1282A should read between 0.8nF to 1.1nF, otherwise the "Open" calibration adjustment was performed incorrectly.

To correct the multimeter capacitance measurement in 100nF range and below:

5. Unplug any cable from the multimeter's terminal.
6. By referring to the service guide procedure (<http://literature.cdn.keysight.com/litweb/pdf/U1281-90002.pdf>), unsecure the meter to enter into the calibration adjustment mode.
7. Turn the knob to the Capacitance measurement position.
8. Perform **ONLY** the "Open" adjustment in Capacitance measurement without any cable connected to the multimeter.
9. Exit calibration adjustment mode after the "Open" adjustment is done.
10. Verify the "Open" adjustment has been performed correctly by repeating step 1 to step 4.

Customers who have purchased the U1282A Multimeter within the serial number range stated in this service note will receive a complementary Pomona 2BC-36 cable assembly. Each customer is entitled to one free Pomona 2BC-36 cable assembly.

To request a free Pomona 2BC-36 cable assembly, please click [HERE](#) (<http://www.keysight.com/find/pomona2BCcablerequest>) and provide the following information on the web form:

1. Instrument Model Number
2. Serial Number
3. Name of distributor who sold this unit
4. Date of purchase
5. Delivery details:
  - Receiver's Name
  - Receiver's Address
  - Receiver's Telephone number

Keysight will arrange for the shipment of the free Pomona 2BC-36 cable assembly to the customer.

Revision History:

Date	Service Note Revision	Author	Reason for Change
20 April 2016	01	SJ	As Published

Appendix (A):

MY55270002	MY55300109	MY55420012	MY55440005	MY55460012
MY55280010	MY55310018	MY55420017	MY55440009	MY55460013
MY55280022	MY55320002	MY55420023	MY55440011	MY55460014
MY55280039	MY55410029	MY55420028	MY55440013	MY55470019
MY55280054	MY55410034	MY55420047	MY55440015	
MY55280055	MY55410037	MY55420054	MY55440019	
MY55290019	MY55410054	MY55420057	MY55440025	
MY55290026	MY55410056	MY55420068	MY55440027	
MY55300066	MY55410078	MY55430068	MY55440030	
MY55300099	MY55420003	MY55440001	MY55440032	