

U1251A-04

S E R V I C E N O T E

Supersedes:
NONE

U1251A True RMS Multimeter

Serial Numbers: ALL

U1251A (Blue series) unit exchange will be replaced by U1251B (Orange series) if U1251A runs out of inventory.

Parts Required:

P/N	Description	Qty.
NONE		

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:	
INFORMATION ONLY INTERNAL ONLY DOCUMENT	
<input type="checkbox"/> Calibration Required <input checked="" type="checkbox"/> Calibration NOT Required	PRODUCT LINE: WC AUTHOR: SW
ADDITIONAL INFORMATION:	

© AGILENT TECHNOLOGIES, INC. 2013
PRINTED IN U.S.A.

February 1, 2013
Rev. 20



Situation:

U1251A has been discontinued.

- 1) U1251A (Blue color) repair strategy is unit exchange. It will be replaced by U1251B (Orange color) if U1251A runs out of inventory.

Refer to table below for the unit exchange replacement part number:

Description	U1251A	U1251B
Unit exchange part	U1251-66001	U1251-66002

- 2) The features of both U1251A and U1251B are similar, with the following exceptions:

Feature	U1251A	U1251B
Battery Type Voltage Level Selection	-	√
DC filter option	-	√
Input Impedance	Please see the Input Impedance Table below for detailed differences	
AC voltage specification	Please see the AC voltage specification for U1251A and U1251B below for detailed differences	

Input Impedance table

Function	Range	U1251A	U1251B
DC Voltage	50 mV to 1000 mV	> 1 GΩ	10MΩ
	5V to 1000V	10MΩ (nominal)	10MΩ (nominal), with 10MΩ in parallel at dual display
AC Voltage	50 mV to 1000 mV	> 1 GΩ	10 MΩ in parallel with <100pF
	5V to 1000V	1.1MΩ (nominal) in parallel with <100pF	

AC Voltage Specifications

RANGE	ACCURACY ± (% of reading + No. of Least Significant Digit)			
	U1251A		U1251B	
	1 kHz ~ 10 kHz	10 kHz ~ 30 kHz	1 kHz ~ 5 kHz	5 kHz ~ 30 kHz
50.000 mV	1.0+40	1.6+60	1.0+40	1.6+60
500.00 mV				
1000.0 mV	1.0+25	1.6+40	1.0+25	3.5+120
5.0000 V				
50.000 V				
500.00 V	1.0+25	1.6+40	1.0+25	N/A
1000.0 V	1.0+40	N/A	1.0+40	N/A

More detail information of the specification, please refer to the respective product User's and Service Guide.

Solution/Action:

Information only.