

U1252A-05

S E R V I C E N O T E

Supersedes:
NONE

U1252A True RMS Multimeter

Serial Numbers: ALL

U1252A (Blue series) unit exchange will be replaced by U1252B (Orange series) if U1252A 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:	

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Situation:

U1252A has been discontinued.

- 1) U1252A (Blue color) repair strategy is unit exchange. It will be replaced by U1252B (Orange color) if U1252A runs out of inventory.

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

Description	U1252A	U1252B
Unit exchange part	U1252-66001	U1252-66002

- 2) The features of both U1252A and U1252B are similar, with the following exceptions:

Feature	U1252A	U1252B
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 and AC+DC voltage specifications below for detailed differences	

Input Impedance table

Function	Range	U1252A	U1252B
DC Voltage	50 mV to 1000 mV	> 1 GΩ	10MΩ
	5V to 1000V	10MΩ (nominal), with 1.1MΩ in parallel at dual display	10MΩ (nominal), with 10MΩ in parallel at dual display or when the input voltage is >+3 V or <-2V
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 + DC Voltage	50 mV to 1000 mV	> 1 GΩ	10MΩ
	5V to 1000V	1.1MΩ (nominal) in parallel with <100pF	10MΩ (nominal) in parallel with 10MΩ, < 100pF

AC Voltage Specifications

RANGE	ACCURACY ± (% of reading + No. of Least Significant Digit)					
	U1252A			U1252B		
	1 kHz ~ 10 kHz	10 kHz ~ 20 kHz	20 kHz~100 kHz	1 kHz ~ 5 kHz	5 kHz ~ 15 kHz	15 kHz ~ 100 kHz
50.000 mV	0.7+40			0.7+40		
500.00 mV						
1000.0 mV				0.4+25	0.75+40	
5.0000 V				0.6+25		
50.000 V		0.75+40	3.5+120		1.5+40	3.5+120
500.00 V	0.4+25	1.5+40	3.5+120	0.4+25	N/A	N/A
1000.0 V	0.4+40	1.5+40	N/A	0.4+40	N/A	N/A

AC+DC Voltage Specifications

RANGE	ACCURACY ± (% of reading + No. of Least Significant Digit)					
	U1252A			U1252B		
	1 kHz ~ 10 kHz	10 kHz ~ 20 kHz	20 kHz~100 kHz	1 kHz ~ 5 kHz	5 kHz ~ 15 kHz	15 kHz~100 kHz
50.000 mV	0.7+60	0.8+60	3.5+220	0.7+60	0.8+60	3.5+220
500.00 mV						
1000.0 mV				0.4+30	0.8+45	
5.0000 V				0.6+30		
50.000 V		0.8+45	3.5+125		1.5+45	3.5+125
500.00 V	0.4+30	1.5+45	3.5+125	0.4+30	N/A	N/A
1000.0 V	0.4+45	1.5+45	N/A	0.4+45	N/A	N/A

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

Solution/Action:
Information only.