

U1252B-02

S E R V I C E N O T E

Supersedes:
NONE

U1252B - True RMS Multimeter

Serial Numbers: ALL

Performance Verification Test Points Update at User's and Service Guide

Parts Required:

P/N	Description	Qty.
NONE		

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:	
INFORMATION ONLY	
AUTHOR: SW	PRODUCT LINE: WC
ADDITIONAL INFORMATION:	

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Situation:

Performance Verification Test Points update at Agilent U1251B/U1252B User's and Service Guide, 4th Edition.

These new test points listed will replace the previous recommended test points at Table 6-2 Verification Test, Agilent U1251B/U1252B User's and Service Guide. The changes are highlighted in **bold** at below table:

Step	Test Function	Range	Previous Test Point		New Test Point			
			5520 Output	Error from nominal 1 year U1252B	5520 Output	Error from nominal 1 year U1252B		
1	Turn the rotary switch to the ~V position ^[1]	5 V	5 V, 10 kHz	± 79.0 mV	4.5 V, 10 kHz	± 71.5 mV		
			5 V, 20 kHz	± 187.0 mV	4.5 V, 20 kHz	± 169.5 mV		
			5 V, 100 kHz	± 187.0 mV	4.5 V, 100 kHz	± 169.5 mV		
		50 V	50 V, 10 kHz	± 790 mV	45 V, 10 kHz	± 715 mV		
			50 V, 20 kHz	± 1.87 V	45 V, 20 kHz	± 1.695 V		
			50 V, 100 kHz	± 1.87 V	45 V, 100 kHz	± 1.695 V		
5	Press SHIFT button to go to the ~V mode ^[1]	5 V	5 V, 20 kHz	± 187.0 mV	4.5 V, 20 kHz	± 169.5 mV		
			5 V, 100 kHz	± 187.0 mV	4.5 V, 100 kHz	± 169.5 mV		
		50 V	50 V, 20 kHz	± 1.87 V	45 V, 20 kHz	± 1.695 V		
			50 V, 100 kHz	± 1.87 V	45 V, 100 kHz	± 1.695 V		
		7	Press SHIFT button to go to the ~mV mode ^[1]	50 mV	50 mV, 100 kHz	± 187.0 mV	45 mV, 100 kHz	± 1.695 mV
				500 mV	500 mV, 100 kHz	± 18.7 mV	450 mV, 100 kHz	± 16.95 mV
8	Turn the rotary switch to the Ω position	500 MΩ	500 MΩ	± 40.1 MΩ	450 MΩ	± 36.1 MΩ		

Please refer Agilent Website for the latest revision of Agilent U1251B/U1252B User's and Service Guide (English version), when performing the performance verification test.

Solution/Action:
Information Only.