

U1253A-03

S E R V I C E N O T E

Supersedes:
NONE

U1253A - True RMS OLED 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 U1253A User's and Service Guide, 6th Edition.

These new test points listed will replace the previous recommended test points at Table 6-2 Performance Verification Tests, Agilent U1253A User's and Service Guide. The changes are highlighted in **bold** at below table:

Step	Test Function	Range	Previous Test Point		New Test Point	
			5520A Output	Error from nominal 1 year U1253A	5520A Output	Error from nominal 1 year U1253A
1	Turn the rotary switch to the \sim V position ^[1]	5 V	5 V, 30 kHz 5 V, 100 kHz	± 187.0 mV ± 187.0 mV	4.5V, 30 kHz 4.5V, 100 kHz	± 169.5 mV ± 169.5 mV
		50 V	50 V, 30 kHz 50 V, 100 kHz	± 1.87 V ± 1.87 V	45 V, 30 kHz 45V, 100 kHz	± 1.695 V ± 1.695 V
5	Press SHIFT to select AC V measurement ^[1]	5 V	5 V, 100 kHz	± 187.0 mV	4.5V, 100 kHz	± 169.5 mV
		50 V	50 V, 100 kHz	± 1.87 V	45V, 100 kHz	± 1.695 V
7	Press SHIFT to select AC mV measurement ^[1]	50 mV	50 mV, 30 kHz 50 mV, 100 kHz	± 1.87 mV ± 1.87 mV	45 mV, 30 kHz 45 mV, 100 kHz	± 1.695 mV ± 1.695 mV
		500 mV	500 mV, 30 kHz 500 mV, 100 kHz	± 18.7 mV ± 18.7 mV	450 mV, 30 kHz 450 mV, 100 kHz	± 16.95 mV ± 16.95 mV
8	Turn the rotary switch to the Ω position	500 M Ω	500 MΩ	± 40.1 M Ω	450 MΩ	± 36.1 M Ω

Please refer Agilent Website for the latest revision of Agilent U1253A User's and Service Guide (English version), when performing the performance verification test.

Solution/Action:
Information only.