

Department: Calibration

Laboratory No. 015

Appendix to Certificate No. 015/04(2)

Schedule of Accreditation

Laboratory Name and Address:

Laboratory name Agilent Technologies (Israel) Ltd.
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Item	Scope Type	Site	Measurand, Instrument, Gauge	Range [Including margins] (Does not include margins)	BMC Expressed as an Expanded Uncertainty (95%)	Reference Documents	Remarks
Calibration – Electrical, DC & Low frequency					כיוול – זרם ישר ותדר נמוך		
1	A	P	DC Voltage, Sources	1.018 V	2.8 μ V	Manual Fluke 732B	HP 3458A Standard instrument Fluke 732B Standard instrument
2	A	P	מחוללי מתח בזרם ישר	10 V	20 μ V		
3	A	P	DC Voltage, Measuring Instruments	[22 mV to 220 mV]	1.5 μ V	Manual Fluke 5720A	Fluke 5720A Standard instrument
4	A	P	מכשירי מדידת מתח בזרם ישר	(0.22 V to 2.2 V]	13 μ V		
5	A	P		(2.2 V to 11 V]	58 μ V		
6	A	P		(11 V to 22 V]	88 μ V		
7	A	P		(22 V to 220 V]	1.3 mV		
8	A	P		(220 V to 1100 V]	8.3 mV		
9	A	P	DC Current, Measuring Instruments	[19 μ A to 220 μ A]	1.9 nA	Manual Fluke 5720A	Fluke 5720A Standard instrument
10	A	P	זרם ישר, מכשירי מדידה	(0.22 mA to 2.2 mA]	90 nA		
11	A	P		(2.2 mA to 22 mA]	0.88 μ A		
12	A	P		(22 mA to 220 mA]	14 μ A		
13	A	P		(0.22 A to 2.2A]	0.24 mA		
14	A	P	DC Resistance, Measuring Instruments	1 Ω	0.12 m Ω	Manual Fluke 5720A	Fluke 5720A Standard instrument
15	A	P	התנגדות זרם ישר, מכשירי מדידה	10 Ω	0.26 m Ω		
16	A	P		100 Ω	1.3 m Ω		
17	A	P		1 k Ω	9.3 m Ω		
18	A	P		10 k Ω	87 m Ω		
19	A	P		100 k Ω	1.2 Ω		

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 Type of Scopes: A- Fixed, B- semi-flexible, C- flexible

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Continue					המשך		
20	A	P		1 MΩ	22 Ω		
21	A	P		10 MΩ	410 Ω		
22	A	P		100 MΩ	12 kΩ		
23	A	P	AC Voltage, Measuring Instruments מתח חילופין, מכשירי מדידה	[2.2 mV to 22 mV]		Manual Fluke 5720A	Fluke 5720A Standard instrument
				[60 Hz to 20 kHz]	7.4 μV		
24	A	P		(20 kHz to 100 kHz]	17 μV		
25	A	P		(100 kHz to 1 MHz]	80 μV		
26	A	P		[22 mV to 220 mV]			
				[60 Hz to 20 kHz]	33 μV		
27	A	P		(20 kHz to 100 kHz]	0.13 mV		
28	A	P		(100 kHz to 1 MHz]	0.65 mV		
29	A	P		[0.22 V to 2.2 V]			
				[60 Hz to 20 kHz]	0.16 mV		
30	A	P		(20 kHz to 1 MHz]	4.2 mV		
31	A	P		[2.2 V to 22 V]			
				[60 Hz to 20 kHz]	1.6 mV		
32	A	P		(20 kHz to 1 MHz]	38 mV		
33	A	P		[22 V to 220 V]			
			[60 Hz to 20 kHz]	17 mV			
34	A	P	(20 kHz to 1 MHz]	42 mV			
35	A	P	[220 V to 1100 V]				
			[50 Hz to 1 kHz]	190 mV			
36	A	P	AC Current, Measuring Instruments זרם חילופין, מכשירי מדידה	[22 μA to 220 μA]		Manual Fluke 5720A	Fluke 5720A Standard instrument
				[50 Hz to 1 kHz]	65 nA		
37	A	P		(1 kHz to 5 kHz]	0.1 μA		
38	A	P		(0.22 mA to 2.2 mA]			
				[50 Hz to 1 kHz]	0.63 μA		
39	A	P		(1 kHz to 5 kHz]	0.78 μA		
40	A	P		(2.2 mA to 22 mA]			
			[50 Hz to 1 kHz]	4.5 μA			
41	A	P		(1 kHz to 5 kHz]	6 μA		

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Continue					המשך		
42	A	P		(22 mA to 220 mA)			
				[50 Hz to 1 kHz]	44 μ A		
43	A	P		(1 kHz to 5 kHz)	58 μ A		
44	A	P		(0.22 A to 2.2 A)			
				[50 Hz to 1 kHz]	0.75 mA		
45	A	P		(1 kHz to 5 kHz)	1.2 mA		
46	A	P	Frequency, Sources תדר, מחוללים	1 Pulse Per Second	2×10^{-11}	Manual AccuBeat AR-80A	HP 58503A Standard instrument AccuBeat AR-80A Standard instrument
Calibration – Electrical, RF & Microwave					כיול – תדר גבוה		
47	A	P	Frequency Sources תדר, מחוללים	1 MHz	2×10^{-11}	Manual AccuBeat AR-80A	HP 58503A Standard instrument
48	A	P		5 MHz	2×10^{-11}		AccuBeat AR-80A Standard instrument
49	A	P		10 MHz	2×10^{-11}		
50	A	P		[1 Hz to 3 GHz]	$(4.6 \times 10^{-11} f + 6 \times 10^{-6})$ Hz		AR-80A Standard instrument
51	A	P		(3 GHz to 26.5 GHz)	$(6.7 \times 10^{-11} f + 0.6 \times 10^{-6})$ Hz		

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מכשירים

המעבדה רשאית לכייל את סוגי המכשירים המפורטים בגדלים ובנקודות הכיול אשר בהסמכה כמפורט לעיל.
ערכי אי וודאות הכיול יכולים להיות גדולים מאי הוודאות המזערית הרלבנטית עקב השפעת המכשיר המכויל.

The following types of instruments can be calibrated in accordance with scheduled above measured quantities and ranges.

The calibration uncertainties may be worse than BMC values stated due to the contribution from unit under test.

Site	Measurement Instruments	Remarks
P	Ammeters (including milli-ammeters), analog or digital, DC and AC	
P	Bridges and similar instruments, resistance	
P	Calibrators: Voltage DC, AC	
P	Current DC, AC	
P	Resistance	
P	Current clamps DC and AC	
P	Frequency meters and counter	
P	Generators pulse / function	
P	Multi-range meters, analog and digital	
P	Oscilloscope	Voltage and frequency only
P	Power-supply units	
P	Resistors and resistance box	
P	Resistance meters	
P	Signal generators	Frequency only
P	Spectrum analyzers	Frequency only
P	Voltage reference source	
P	Voltmeter, analog or digital, DC and AC	
P	Network Analyzers	Frequency only

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