



Department: Calibration Laboratory ISO/IEC 17025:2005 Accreditation No. 008

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Schedule of Accreditation

Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	CMC Expressed as an Expanded Uncertainty (95%)	Reference Documents	Remarks		
Calibration – Electrical Quantities - DC & LF					כיוול – גדלים חשמליים - זרם ישר ותדר נמוך				
1	A	P	AC Current, Measuring Instruments	זרם חילופין, מכשירי מדידה	1 mA	Meroval software Directive: Q905-D060-ELS	Datron – 4808 Standard instrument		
2	A	P			300 Hz			0.5 μA	
3	A	P			1 kHz			0.5 μA	
4	A	P			5 kHz			0.5 μA	
5	A	P			10 mA			300 Hz	5.6 μA
6	A	P			1 kHz			5.6 μA	
7	A	P			5 kHz			5.3 μA	
8	A	P			100 mA			300 Hz	30 μA
9	A	P			1 kHz			30 μA	
10	A	P			5 kHz			30 μA	
11	A	P			1 A			300 Hz	450 μA/A
12	A	P	10 A	300 Hz	510 μA/A				
13	A	P		1 kHz	510 μA/A				

Site: P or T or M, P-Permanent, T-Temporary, M-Mobile

Type of Scopes: A- Fixed, C- Flexible

Flexible scope in analytical tests: Type of matrix, analytes, experimental systems and/or analytical characteristics may be subject to changes, in accordance with the laboratory's approved and documented procedures. For details, please refer to the list of Accredited Tests, available from the laboratory upon request.



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Calibration – Electrical Quantities - DC & LF						כיוול – גדלים חשמליים - זרם ישר ותדר נמוך	
14	A	P	AC Voltage, Measuring Instruments מתח חילופין, מכשירי מדידה	100 mV	46 μ V	Meroval software	Datron – 4808 Standard instrument
15	A	P		1 kHz	61 μ V		
16	A	P		50 kHz	560 μ V		
17	A	P		1 V	410 μ V		
18	A	P		1 kHz	230 μ V		
19	A	P		2 kHz	370 μ V		
20	A	P		50 kHz	700 μ V		
21	A	P		10 V	700 μ V		
22	A	P		50 kHz	7 mV		
23	A	P		100 V	8.9 mV		
24	A	P		1 kHz	20 mV		
25	A	P		50 kHz	0.32 V		
26	A	P		1 kHz	0.36 V		
					30 kHz		

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Calibration – Electrical Quantities - DC & LF					כיוול – גדלים חשמליים - זרם ישר ותדר נמוך			
27	A	P	DC Current, Measuring Instruments	זרם ישר, מכשירי מדידה	100 μ A	Meroval software		
28	A	P			1 mA			53 nA
29	A	P			10 mA			530 nA
30	A	P			100 mA			9.6 μ A
31	A	P			1 A			130 μ A
32	A	P	DC Resistance, Measuring Instruments	התנגדות זרם ישר, מכשירי מדידה	100 Ω	Meroval software	4 wire connection	
33	A	P			1 k Ω			13 m Ω
34	A	P			10 k Ω			0.21 Ω
35	A	P			100 k Ω			1.6 Ω
36	A	P			1 M Ω			52 Ω
37	A	P			10 M Ω			860 Ω
38	A	P	DC Voltage, Measuring Instruments	מתח בזרם ישר, מכשירי מדידה	100 mV	Meroval software	Datron – 4808 Standard instrument	
39	A	P			1 V			6 μ V
40	A	P			10 V			40 μ V
41	A	P			100 V			0.7 mV
42	A	P			1 kV			12 mV

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Calibration – Electrical Quantities – HF Electrical Power and Energy					כיוול – גדלים חשמליים - הספק ואנרגיה חשמלית בתדר גבוה		
43	A	P	RF Power Sensor Calibration Factor, Measuring Instruments	10 MHz	1.5 %	Meroval software Directive: T000-D020-ELS	For N type connectors The power sensors are calibrated at about 1 mW. The uncertainties are expressed as percentage of Calibration factor value. CMC value stands for termistor calibrations. Other sensors may be calibrated at larger uncertainty values.
44	A	P		30 MHz	1.1 %		
45	A	P		50 MHz	1.0 %		
46	A	P		100 MHz	1.1 %		
47	A	P		200 MHz	1.2 %		
48	A	P		300 MHz	1.1 %		
49	A	P		400 MHz	1.3 %		
50	A	P		500 MHz	1.3 %		
51	A	P		1 GHz	1.3 %		
52	A	P		2 GHz	1.2 %		
53	A	P		3 GHz	1.4 %		
54	A	P		4 GHz	1.6 %		
55	A	P		5 GHz	1.9 %		
56	A	P		6 GHz	2.1 %		
57	A	P		7 GHz	2.9 %		
58	A	P	8 GHz	4.1 %			
59	A	P	9 GHz	3.6 %			

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Calibration – Electrical Quantities – HF Electrical Power and Energy					כיוול – גדלים חשמליים – הספק ואנרגיה חשמלית בתדר גבוה		
60	A	P		10 GHz	2.4 %		
61	A	P		11 GHz	2.0 %		
62	A	P		12 GHz	2.0 %		
63	A	P		13 GHz	2.2 %		
64	A	P		14 GHz	2.2 %		
65	A	P		15 GHz	2.8 %		
66	A	P		16 GHz	4.0 %		
67	A	P		17 GHz	2.8 %		
68	A	P		18 GHz	2.6 %		
69	A	P	RF Power Sensor Calibration Factor, Measuring Instruments	0.05 GHz	1.4%	Meroval software Directive: T000-D020-ELS	For 2.4 mm connectors Using HP 8487A Standard instrument The power sensors are calibrated at nominal -5 dBm. The uncertainties are expressed as percentage of Calibration factor. The calibration method and software are developed by the Elisra Electronic System Metrology Laboratory
70	A	P		0.1 GHz	1.2 %		
71	A	P		0.5 GHz	1.2 %		
72	A	P		1 GHz	1.2 %		
73	A	P		2 GHz	1.3 %		
74	A	P		10 GHz	1.6 %		
75	A	P		14 GHz	1.7 %		
76	A	P		18 GHz	2.0 %		
77	A	P		20 GHz	2.4 %		

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Calibration – Electrical Quantities - RF Frequency, Time						כיוול – גדלים חשמליים - תדר גבוה, זמן	
89	A	P	Frequency, Measuring Instruments	תדר, מכשירי מדידה 10 MHz	1×10^{-11}	Datum – 9390, User Manual Directive:Q905-D061-ELS	Using Datum GPS Frequency Generator 26 h Integration time
90	A	P	Frequency, Sources	תדר, מחוללים 10 MHz to 40 GHz	1×10^{-10}	Datum – 9390, User Manual Directive:Q905-D061-ELS	Using Frequency Generator HP 83640A Standard instrument 10 sec. Integration time

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