



ISO/IEC 17025:2017

מעבדות כיוול

תעודת הסמכה מס' 16 מעבדות תקנים; מרכז תפעול חטיבת התעופה התעשייה האווירית לישראל

כתובת אתר ייחוס: מחלקה 4835, נתב"ג, 70100

עד יום: 23.06.2026

בתוקף מיום: 19.06.2024

הארגון נבדק ונבחן על ידי הרשות הלאומית להסמכת מעבדות (להלן הרשות) ונמצא ראוי להסמכה בהתאם לנספח פירוט היקף ההסמכה המצורף לתעודה זו, המהווה חלק בלתי נפרד ממנה ומספרו זהה למספר התעודה. הסמכה מצביעה על כשירות מקצועית ותפעול מערכת ניהול איכות בעלת הכרה בינלאומית. הארגון המוסמך על ידי הרשות, עומד בתקנים/ בדרישות המפורטים מעלה. דרישות התקנים הם לכשירות מקצועית ולמערכות ניהול, שהינן הכרחיות למתן תוצאות אמינות. הסמכה זו ניתנה בהתאם לכללי ISO/IEC 17011:2017 לפיהם פועלת הרשות ובמסגרתם מקיימת פיקוח שוטף על הארגון לצורך בחינת תפקודו המתמשך בהתאם לדרישות ההסמכה. ההסמכה תקפה כל עוד הארגון עונה לאמות המידה שנקבעו על ידי הרשות. הרשות חתומה על הסכם הכרה רב צדדי (MLA) מול ארגון European Accreditation Cooperation (EA).

תעודה זו אינה מהווה אישור לפי סעיף 12 לחוק התקנים.

אתי פלר
מנכ"ל

הרשות הלאומית להסמכת מעבדות

תאריך הסמכה ראשון: 24.06.1996



הרשות הלאומית להסמכת מעבדות
Israel Laboratory Accreditation Authority

Calibration Laboratories

ISO/IEC 17025:2017

Accreditation Certificate No. 16

**Standard laboratories Operation center, Aviation group, Israel
Aerospace Industries**

Main site address: Department 4835, Ben Gurion Airport, 70100 , Israel

Valid from: 19.06.2024

Until: 23.06.2026

The organization was assessed by the Israel Laboratory Accreditation Authority (ISRAC) and found to be worthy of accreditation to the detailed schedule attached.

The schedule is an integral part of this certificate and is numbered with the above certificate number.

Accreditation demonstrates technical competence and operation of an internationally recognized quality management system.

The organization accredited by ISRAC complies with the standards/requirements mentioned above, meets the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically competent results. This accreditation is granted in accordance with the requirements of ISO/IEC 17011:2017, and entails periodic surveillance and reassessment by ISRAC to ensure that the organization continues to comply with the accreditation requirements.

The accreditation is valid provided that the organization continues to meet the criteria as laid down by ISRAC. ISRAC is an EA-MLA (European Accreditation Cooperation Multi-Lateral Agreement) signatory.

This certificate does not constitute an approval in accordance with article 12 of the standard law.

Date of first accreditation: 24.06.1996

**Etty Feller
General Manager
Israel Laboratory Accreditation Authority**

Date of signature 11/11/2024

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Name and Address:

Organization name	Standard laboratories Operation center; Aviation group; Israel Aerospace Industries
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Site: P or T or M , P-Permanent, T-Temporary, M-Mobile

A permanent (P) or temporary (T) place, or a stationary or mobile (M) facility, at or from which the organization performs activities forming part of its scope of accreditation, starting from sampling to final issuance of a report or certificate and / or quality system activities. A temporary (T) site is a site established under the responsibility of an accredited permanent site. All activities performed at a temporary site are the responsibility of the permanent site. An outdoors work is also considered to be a temporary site. Temporary site will be a site that involves work for special project and the activity will be defined in time (up to 2 years).

Type of Scopes: A- Fixed, C- 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.



Item	Scope Type	Site	Measurand Instrument, Gauge		Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks
Calibration – Chemical Quantities, pH Meters						כיול – גדלים כימיים - מדי pH		
1	A	P, T	pH pH indicators	מדי pH	-1500 mV to 1500 mV	0.1 mV	CPE-863A	Calibration by means of electrical simulation, no realization or measurement of pH involved A calibrator is used as a DC voltage reference standard. Voltage values are converted to pH values by using Nernst equation.
2	A	P, T	pH pH meters with glass electrode	מדי pH בעלי אלקטרודה זכוכית	2 pH to 10 pH	0.03 pH	CPE-863A	Buffer standards 2 pH, 3 pH 4 pH, 7 pH, 8 pH , 10 pH
3	A	P, T	pH pH electrode slope	שיפוע של אלקטרודה למדי pH	90%- to 102%	0.45%	CPE-863A	Buffer standards 4 pH, 7 pH, 10 pH



Item	Scope Type	Site	Measurand Instrument, Gauge		Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks	
Calibration – Electrical Quantities - DC and LF						כיוול – גדלים חשמליים - זרם ישר ותדר נמוך			
4	A	P	DC Voltage, Sources	מתח בזרם ישר, מחוללים	0.1 V	5 μV/V	CPE-810B	Comparison to 732A, 752A O.R. – Of Reading Comparison to 732A Comparison to 732A, 752A RV 722 Fluke 8508 Fluke 5730A	
5	A	P			1 V	1.5 μV/V			
6	A	P			10 V	0.6 μV/V			
7	A	P			100 V	1.2 μV/V			
8	A	P			1000 V	2.5 μV/V			
9	A	P			Up to 10 mV]	10 μV/V O.R. + 0.2 μV			
10	A	P			(10 mV to 100 mV]	8 μV/V O.R. + 0.2 μV			
11	A	P			(100 mV to 10 V]	5 μV/V			
12	A	P			(10 V to 1000 V]	6 μV/V			
13	A	T			Up to 100 mV)	150 μV/V O.R. + 5 μV			
14	A	T			(100 mV to 10 V]	100 μV/V			
15	A	T			(10 V to 1000 V]	80 μV/V			
16	A	P	DC Voltage, Measuring Instruments	מתח בזרם ישר, מכשירי מדידה	0.1 V	5 μV/V	CPE-810B		O.R. - Of Reading
17	A	P			1 V	1.5 μV/V			
18	A	P			10 V	1 μV/V			
19	A	P			100 V	1.2 μV/V			
20	A	P			1000 V	2.5 μV/V			
21	A	P			Up to 10 mV]	10 μV/V O.R. + 0.2 μV			
22	A	P			(10 mV to 100 mV]	8 μV/V O.R. +0.2 μV			
23	A	P			(100 mV to 10 V]	5 μV/V			
24	A	P			(10 V to 1000 V]	6 μV/V			
25	A	T	DC Voltage, Measuring Instruments	מתח בזרם ישר, מכשירי מדידה	Up to 100 mV]	50 μV/V O.R. + 2 μV	CPE-810B	O.R. - Of Reading	
26	A	T			(100 mV to 10 V]	30 μV/V			
27	A	T			(10 V to 1000 V]	50 μV/V			



Item	Scope Type	Site	Measurand Instrument, Gauge		Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks	
Calibration – Electrical Quantities - DC and LF						כיוול – גדלים חשמליים - זרם ישר ותדר נמוך			
28	A	P	DC Voltage Divider	מחלק מתח למתח ישר	10 V to 700 V	0.5 μV/V Of Input	CPE-841F	Voltage ratio 10 ⁻⁷ to 1 ESI RV-722	
29	A	P	DC Current, Sources , Measuring Instrument	זרם ישר, מחוללים מכשירי מדידה	[10 pA to 1 μA]	200 μA/A O.R. + 10 pA	CPE-810F	Measuring Voltage across standard resistor O.R. - Of Reading	
30	A	P			[1 μA to 10 μA]	100 μA/A			
31	A	P			(10 μA to 100 μA]	30 μA/A			
32	A	P			(100 μA to 0.1 A]	20 μA/A			
33	A	P			(0.1 A to 1 A]	30 μA/A			
34	A	P			(1 A to 10 A]	100 μA/A			
35	A	P			(10 A to 100 A]	500 μA/A			
36	A	P			(100 A to 500 A]	3.5 mA/A			For clamp meters
37	A	T			Up to 100 μA]	1 mA/A O.R. + 1 nA			
38	A	T			(100 μA to 1 A]	500 μA/A			
39	A	T			(1 A to 10 A]	2.5 mA/A			
40	A	T							(10 A to 500 A]
41	A	P	AC Voltage, Measuring Instruments Sources	מתח חילופין, מכשירי מדידה מחוללים	[1 mV to 2.2 mV]		CPE-810S	Fluke 5790B	
42	A	P			[10 Hz - 20 Hz)	2500 μV/V			
43	A	P			[20 Hz - 40 Hz)	1700 μV/V			
44	A	P			[40 Hz - 20 kHz)	1500 μV/V			
45	A	P			[20 kHz - 50 kHz)	2500 μV/V			
46	A	P			[50 kHz - 100 kHz)	3000 μV/V			
47	A	P			[100 kHz - 300 kHz)	5000 μV/V			
48	A	P			[300 kHz - 500 kHz)	8500 μV/V			
					[500 kHz - 1 MHz]	10000 μV/V			



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks
Calibration – Electrical Quantities - DC and LF					כיוול – גדלים חשמליים - זרם ישר ותדר נמוך		
49	A	P		(2.2 mV to 7 mV) [10 Hz - 20 Hz]	1200 $\mu\text{V/V}$		
50	A	P		[20 Hz - 40 Hz]	800 $\mu\text{V/V}$		
51	A	P		[40 Hz - 20 kHz]	650 $\mu\text{V/V}$		
52	A	P		[20 kHz - 50 kHz]	1100 $\mu\text{V/V}$		
53	A	P		[50 kHz - 100 kHz]	1500 $\mu\text{V/V}$		
54	A	P		[100 kHz - 300 kHz]	2500 $\mu\text{V/V}$		
55	A	P		[300 kHz - 500 kHz]	4000 $\mu\text{V/V}$		
	A	P		[500 kHz - 1 MHz]	6000 $\mu\text{V/V}$		
56	A	P		(7 mV to 22 mV) [10 Hz - 20 Hz]	400 $\mu\text{V/V}$		
57	A	P		[20 Hz - 40 Hz]	300 $\mu\text{V/V}$		
58	A	P		[40 Hz - 20 kHz]	250 $\mu\text{V/V}$		
59	A	P		[20 kHz - 50 kHz]	350 $\mu\text{V/V}$		
60	A	P		[50 kHz - 100 kHz]	550 $\mu\text{V/V}$		
61	A	P		[100 kHz - 300 kHz]	1200 $\mu\text{V/V}$		
62	A	P		[300 kHz - 500 kHz]	1800 $\mu\text{V/V}$		
63	A	P		[500 kHz - 1 MHz]	3100 $\mu\text{V/V}$		
64	A	P		(22 mV to 70 mV) [10 Hz - 20 Hz]	270 $\mu\text{V/V}$		
65	A	P		[20 Hz - 40 Hz]	200 $\mu\text{V/V}$		
66	A	P		[40 Hz - 20 kHz]	120 $\mu\text{V/V}$		
67	A	P		[20 kHz - 50 kHz]	200 $\mu\text{V/V}$		
68	A	P		[50 kHz - 100 kHz]	310 $\mu\text{V/V}$		
69	A	P		[100 kHz - 300 kHz]	600 $\mu\text{V/V}$		



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Calibration – Electrical Quantities - DC and LF						כיוול – גדלים חשמליים - זרם ישר ותדר נמוך		
70	A	P			[300 kHz - 500 kHz)	850 μV/V		
71	A	P			[500 kHz - 1 MHz]	1600 μV/V		
					(70 mV to 220 mV]			
72	A	P			[10 Hz - 20 Hz)	70 μV/V		
73	A	P			[20 Hz - 40 Hz)	45 μV/V		
74	A	P			[40 Hz - 20 kHz)	33 μV/V		
75	A	P			[20 kHz - 50 kHz]	50 μV/V		
76	A	P			(50 kHz - 100 kHz]	180 μV/V		
77	A	P			(100 kHz - 300 kHz]	250 μV/V		
78	A	P			(300 kHz - 500 kHz]	500 μV/V		
79	A	P			(500 kHz - 1 MHz]	1400 μV/V		
					(0.22 V to 2.2 V]			
80	A	P			[10 Hz - 20 Hz)	65 μV/V		
81	A	P			[20 Hz - 40 Hz)	40 μV/V		
82	A	P			[40 Hz - 20 kHz)	25 μV/V		
83	A	P			[20 kHz - 50 kHz]	30 μV/V		
84	A	P			(50 kHz - 100 kHz]	80 μV/V		
85	A	P			(100 kHz - 300 kHz]	200 μV/V		
86	A	P			(300 kHz - 500 kHz]	320 μV/V		
87	A	P			(500 kHz - 1 MHz]	1100 μV/V		
					(2.2 V to 22 V]			
88	A	P			[10 Hz - 20 Hz)	60 μV/V		
89	A	P			[20 Hz - 40 Hz)	35 μV/V		
90	A	P			[40 Hz - 20 kHz)	23 μV/V		
91	A	P			[20 kHz - 50 kHz]	25 μV/V		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks
Calibration – Electrical Quantities - DC and LF					כיוול – גדלים חשמליים - זרם ישר ותדר נמוך		
92	A	P		(50 kHz - 100 kHz]	70 μ V/V		
93	A	P		(100 kHz - 300 kHz]	200 μ V/V		
94	A	P		(300 kHz - 500 kHz]	270 μ V/V		
95	A	P		(500 kHz - 1 MHz]	1100 μ V/V		
				(22 V to 70 V]			
96	A	P		[10 Hz - 20 Hz)	60 μ V/V		
97	A	P		[20 Hz - 40 Hz)	30 μ V/V		
98	A	P		[40 Hz - 20 kHz)	23 μ V/V		
99	A	P		[20 kHz - 50 kHz]	25 μ V/V		
100	A	P		(50 kHz - 100 kHz]	90 μ V/V		
101	A	P		(100 kHz - 300 kHz]	200 μ V/V		
				(70 V to 220 V]			
102	A	P		[10 Hz - 20 Hz)	70 μ V/V		
103	A	P		[20 Hz - 40 Hz)	35 μ V/V		
104	A	P		[40 Hz - 20 kHz)	25 μ V/V		
105	A	P		[20 kHz - 50 kHz]	30 μ V/V		
106	A	P		(50 kHz - 100 kHz]	90 μ V/V		
				(220 V to 700 V]			
107	A	P		[40 Hz - 100 Hz)	45 μ V/V		
108	A	P		[100 Hz - 20 kHz]	30 μ V/V		
109	A	P		(20 kHz - 50 kHz]	130 μ V/V		
110	A	P		(50 kHz - 100 kHz]	700 μ V/V		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks
Calibration – Electrical Quantities - DC and LF					כיוול – גדלים חשמליים - זרם ישר ותדר נמוך		
111	A	P		(700 V to 1000 V)			
112	A	P		[40 Hz - 100 Hz]	45 μ V/V		
113	A	P		[100 Hz - 20 kHz]	30 μ V/V		
				(20 kHz - 50 kHz)	130 μ V/V		
114	A	T	AC Voltage, Measuring Instruments	[1 mV to 1 V]		CPE-810C	O.R. - Of Reading
115	A	T		[50 Hz to 20 kHz]	1 mV/V O.R. +10 μ V		
				(20 kHz to 100 kHz)	5 mV/V O.R. + 20 μ V		
116	A	T		(1 V to 10 V)			
117	A	T		[50 Hz to 20 kHz]	500 μ V/V		
				(20 kHz to 100 kHz)	5 mV/V		
118	A	T		(10 V to 100 V)			
119	A	T		[50 Hz to 20 kHz]	500 μ V/V		
				(20 kHz to 100 kHz)	5 mV/V		
120	A	T		(100 V to 1000V]			
				[50 Hz to 1 kHz]	600 μ V/V		
121	A	T	AC Voltage, Sources	[1 mV to 1 V]		CPE-810C	
122	A	T		[50 Hz to 20 kHz]	2 mV/V		
				(20 kHz to 100 kHz)	5 mV/V		
123	A	T		(1 V to 10 V)			
124	A	T		[50 Hz to 20 kHz]	1 mV/V		
				(20 kHz to 100 kHz)	5 mV/V		
125	A	T		(10 V to 100 V]			
126	A	T		[50 Hz to 20 kHz]	1.5 mV/V		
				(20 kHz to 100 kHz]	5 mV/V		



Item	Scope Type	Site	Measurand Instrument, Gauge		Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks
Calibration – Electrical Quantities - DC and LF						כיוול – גדלים חשמליים - זרם ישר ותדר נמוך		
127	A	T			(100 V to 1000 V) 50 Hz to 1 kHz	600 μV/V		
128	A	P	Voltage Ratio, Voltage Ratio Generator	יחס מתח, מחולל יחס מתח	AC ratio 10 ⁻⁷ to 1 400 Hz to 1 kHz	2 μV/V of input	CPE-841G	Comparison ESI DT72A
129	A	P	AC Current, Measuring Instruments and Sources	זרם חילופין, מכשירי מדידה זרם חילופין, מחוללים	[10 μA to 100 μA] [10 Hz - 20 Hz] [20 Hz – 40 Hz] [40 Hz - 10 kHz] (100 μA to 1 mA) [10 Hz - 20 Hz] [20 Hz – 40 Hz] [40 Hz - 10 kHz] (1 mA to 250 mA) [10 Hz - 20 Hz] [20 Hz – 10 kHz] (250 mA to 500 mA) [20 Hz – 10 kHz] (500 mA to 1 A) [10 Hz - 20 Hz] [20 Hz – 10 kHz] (1 A to 10 A) [10 Hz - 20 Hz] [20 Hz – 10 kHz]	400 μA/A 350 μA/A 300 μA/A 200 μA/A 100 μA/A 85 μA/A 100 μA/A 60 μA/A 80 μA/A 100 μA/A 60 μA/A 150 μA/A 120 μA/A	CPE-810T	
130	A	P						
131	A	P						
132	A	P						
133	A	P						
134	A	P						
135	A	P						
136	A	P						
137	A	P						
138	A	P						
139	A	P						
140	A	P						
141	A	P						



Item	Scope Type	Site	Measurand Instrument, Gauge		Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks
Calibration – Electrical Quantities - DC and LF						כיוול – גדלים חשמליים - זרם ישר ותדר נמוך		
142	A	P			(10 A to 500 A] [50 Hz to 400 Hz]	3.5 mA/A	CPE-810M	For clamp meters
143	A	T			[100 μA to 1 A] [50 Hz to 5 kHz]	2 mA/A	CPE-810J	
144	A	T			(1 A to 10 A] [50 Hz to 5 kHz]	5 mA/A		
145	A	T			(100 μA to 1 A] [50 Hz to 1 kHz]	6 mA/A		
146	A	T			(1 A to 10 A] [50 Hz to 1 kHz]	5 mA/A		Generation only
147	A	T			(10 A to 500 A] [50 Hz to 400 Hz]	20 mA/A	CPE-810P	For clamp meters
148	A	P	DC Resistance, Measuring Instruments DC Resistance, Resistors	התנגדות זרם ישר, מכשירי מדידה	0.1 Ω	10 μΩ/Ω	CPE-841A	Standard Resistors
149	A	P		התנגדות זרם ישר, נגדים	1 Ω	3.5 μΩ/Ω		O.R. - Of Reading
150	A	P			10 Ω	5 μΩ/Ω		
151	A	P			25 Ω	6 μΩ/Ω		
152	A	P			100 Ω	3 μΩ/Ω		
153	A	P			1 kΩ	5 μΩ/Ω		
154	A	P			10 kΩ	0.7 μΩ/Ω		
155	A	P			100 kΩ	6 μΩ/Ω		
156	A	P			1 MΩ	10 μΩ/Ω		
157	A	P			10 MΩ	15 μΩ/Ω		
158	A	P			Up to 0.1 Ω)	50 μΩ/Ω O.R. + 0.1 μΩ		DMM Fluke 8508
159	A	P			(0.1 Ω to 10 MΩ]	30 μΩ/Ω		
160	A	P			(10 MΩ to 1 GΩ]	100 μΩ/Ω	CPE-841E	



Item	Scope Type	Site	Measurand Instrument, Gauge		Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks	
Calibration – Electrical Quantities - DC and LF						כיוול – גדלים חשמליים - זרם ישר ותדר נמוך			
161	A	P			(1 GΩ to 10 GΩ]	1 mΩ/Ω	CPE-810L	Voltage applied 25-1000V, Reference Resistor	
162	A	P			(10 GΩ to 100 GΩ]	3 mΩ/Ω	CPE-841H		
163	A	P			(100 GΩ to 1 TΩ]	10 mΩ/Ω			
164	A	T	DC Resistance, Resistors	התנגדות זרם ישר, נגדים	Up to 100 mΩ]	100 μΩ/Ω O.R. + 1 μΩ	CPE-810L	O.R. - Of Reading	
165	A	T			[0.1 Ω to 10 MΩ]	100 μΩ/Ω			
166	A	T			(10 MΩ to 100 MΩ]	1 mΩ/Ω			
167	A	T	DC Resistance, Measuring Instruments	התנגדות זרם ישר, מכשירי מדידה	Up to 100 mΩ]	1 mΩ	CPE-810L		
168	A	T			(0.1 Ω to 10 MΩ]	500 μΩ/Ω			
169	A	T			(10 MΩ to 100 MΩ]	6 mΩ/Ω			
170	A	P	Capacitance, Capacitors	קיבול, קבלים	100 pF	10 μF/F	CPE-841D	Gen. Radio 1404A; 1404B 1621 Capacitance bridge	
171	A	P			1 kHz				
172	A	P			1000 pF				1 kHz
					1 pF to 10 μF	50 μF/F			
					100 Hz to 1 kHz				
173	A	P,T	Capacitance, Generating Instruments	קיבול, מחוללים	100 pF to 10 μF	2 mF/F	CPE-841I		
					100 Hz to 1 kHz				
174	A	P,T	Capacitance, Measuring Instruments	קיבול, מכשירי מדידה	1 pF to 10 μF	500 μF/F	CPE-841L		
					100 Hz to 1 kHz				
175	A	P	Inductance, Measuring Instruments and standards	השראות, מכשירי מדידה וייחוס	100 μH	200 μH/H O.R. + 0.1 μH	CPE-841C/H	Genrad 1238 Genrad 1316 Genrad 1482-L Fluke PM 6304 O.R. - Of Reading	
176	A	P			100 Hz				200 μH/H O.R. + 0.1 μH
177	A	P			400 Hz				200 μH/H O.R. + 0.1 μH
					1 kHz	200 μH/H O.R. + 0.1 μH			



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks
Calibration – Electrical Quantities - DC and LF					כיוול – גדלים חשמליים - זרם ישר ותדר נמוך		
178	A	P		1 mH 100 Hz	200 μ H/H O.R. + 0.1 μ H		
179	A	P		400 Hz	200 μ H/H O.R. + 0.1 μ H		
180	A	P		1 kHz	200 μ H/H OR + 0.1 μ H		
181	A	P		10 mH 100 Hz	200 μ H/H O.R. + 0.1 μ H		
182	A	P		400 Hz	200 μ H/H O..R + 0.1 μ H		
183	A	P		1 kHz	200 μ H/H O.R. + 0.1 μ H		
184	A	P		100 mH 100 Hz	200 μ H/H		
185	A	P		400 Hz	200 μ H/H		
186	A	P		1 kHz	200 μ H/H		
187	A	P		1 H 100 Hz	250 μ H/H		
188	A	P		400 Hz	250 μ H/H		
189	A	P		1 kHz	250 μ H/H		
190	A	P		10 H 100 Hz	500 μ H/H		
191	A	P		400 Hz	500 μ H/H		
192	A	P		[50 μ H to 1 H] 100 Hz to 1 kHz	1 mH/H O.R. + 0.2 μ H		
193	A	P		(1 H to 10 H) 100 Hz to 400 Hz	1 mH/H		
194	A	T		(50 μ H to 1 H) 100 Hz to 1 kHz	1 mH/H O.R. + 0.5 μ H		



Item	Scope Type	Site	Measurand Instrument, Gauge		Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks
Calibration – Electrical Quantities - DC and LF						כיוול – גדלים חשמליים - זרם ישר ותדר נמוך		
195	A	T			(1 H to 10 H) 100 Hz to 400 Hz	1 mH/H		
196	A	P	Conductivity, Conductivity meter	מוליכות, מדי מוליכות	[8% to 108% IACS]	2 % O.R. or 0.7 % IACS whichever is greater	CPE-863I/863M	Reference material blocks; Comparison Specific Nominal Value O.R. – Of Reading
197	A	P			30% IACS	0.55% IACS		
198	A	P			45% IACS	0.50% IACS		
199	A	P			50% IACS	0.50% IACS		
200	A	P			60% IACS	0.40% IACS		
201	A	P			80% IACS	0.60% IACS		
202	A	P	AC Power, Power Calibrators and Power Meters	הספק זרם חילופין, כיוילי הספק ומדי הספק	[1W to 2 kW] Power factor [0 to 1] Current [1 mA to 10 A] Voltage [30 mV to1 kV] Frequency [50 Hz to 1 kHz]	2.5 mW/W	CPE-840C CPE-812D	Clarke – Hess 2500A Holt HCF-1 shunt Fluke 5500A
203	A	P	Power factor, Power Calibrators and Power Meters	גורם הספק, כיוילי הספק ומדי הספק	[0 to 1] Power [1 W to 2 kW] Current [1 mA to 10 A] Voltage [30 mV to 1 kV] Frequency [50 Hz to 1 kHz]	0.002	CPE-840C CPE-812E	



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks
Calibration – Electrical Quantities – Magnetic Field and Flux					כיוול – גדלים חשמליים - שטף ושדה מגנטי		
204	A	P	Magnetism, Measuring Instruments GAUSS Meter Resolution 0.01/0.1 Gauss	מגנטיות , מכשירי מדידה גאוס מטר רזולוציה 0.01/0.1 Gauss	AC (50 Hz-1000 Hz) [0.5 GAUSS to 10 GAUSS] (10 GAUSS to 20 GAUSS) DC [0.5 GAUSS to 10 GAUSS] (10 GAUSS to 20 GAUSS)	0.08 GAUSS 0.7 %O.R.	CPE-863H Helmholtz Coil (AXIAL + TRANSVERS PROBS) O.R. – Of Reading
205	A	P					
206	A	P					
207	A	P					
208	A	P			100 GAUSS	1.3 %O.R.	Reference Magnet (AXIAL + TRANSVERS PROBS)
209	A	P			500 GAUSS	1.3 %O.R.	(AXIAL PROB)
210	A	P			1000 GAUSS	0.8 %O.R.	(TRANSVERS PROB)
211	A	P			2000 GAUSS	0.8 %O.R.	(AXIAL PROB)
212	A	P			10,000 GAUSS	0.8 %O.R.	(TRANSVERS PROB) O.R.- Of Reading
213	A	P	Magnetism, Measuring Instruments MILLIGAUSS Meter Resolution 0.1/1 mGauss	מגנטיות , מכשירי מדידה מיליגאוס מטר רזולוציה 0.1/1 mGauss	AC (50 Hz-1000 Hz) [5 mGAUSS to 20 mGAUSS] (20 mGAUSS to 200 mGAUSS) (200 mGAUSS to 3000 mGAUSS) DC (5 mGAUSS to 200 mGAUSS) (200 mGAUSS to 3000 mGAUSS)	0. 5 mGAUSS 1 mGAUSS 10 mGAUSS 1 mGAUSS 10 mGAUSS	CPE-863H Helmholtz Coil (AXIAL + TRANSVERS PROBS)
214	A	P					
215	A	P					
216	A	P					
217	A	P					



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks	
Calibration – Electrical Quantities – HF Electrical Power and Energy					כיוול – גדלים חשמליים - הספק ואנרגיה חשמלית בתדר גבוה			
218	A	P	RF Power, Power Meters	הספק תדר גבוה, מדי הספק	1 mW 30 MHz	5.5 mW/W	CPE-812A	HP 432 A/H75 Reference source
219	A	P			50 MHz	4 mW/W		
220	A	P	RF Power, Power Sources	הספק תדר גבוה, מקורות הספק	(0.1 nW – 1 nW] 30 MHz	23 mW/W	CPE-812B	Boonton 2520 Power calibrator
221	A	P	RF Power, Linearity of Power Sources & Meters	הספק תדר גבוה, ליניאריות של מקורות הספק	[10 nW - 100 mW] (10 dB/step) 30 MHz	14 mW/W	CPE-812A/B	Boonton 2520 Power calibrator
222	A	T	RF Power, Power Sources and Meters	הספק תדר גבוה, מקורות ומדי הספק	[10 μW to 100 mW] [10 MHz to 18 GHz]	60 mW/W	CPE-812B	Thermocouple Element Agilent E4417A Power meter
223	A	P			[10 μW to 10 mW] [100 kHz to 300 KHz]	50 mW/W		
224	A	P			[300 kHz to 1MHz]	25 mW/W		
225	A	P			(1 MHz to 4 GHz]	20 mW/W		
226	A	P			(4GHz to 12.4 GHz]	25 mW/W		
227	A	P			(12.4 GHz to 18 GHz]	35 mW/W		
228	A	P			[10 mW to 100 mW] (100 kHz to 300 KHz]	50 mW/W		
229	A	P			(300 kHz to 50MHz]	23 mW/W		
230	A	P			(50 MHz to 1GHz]	30 mW/W		
231	A	P			(1 GHz to 4GHz]	40 mW/W		
232	A	P			(4 GHz to 12.4GHz]	50 mW/W		
233	A	P			(12.4 GHz to 18GHz]	60 mW/W		
234	A	P			(100 mW to 3 W] [10 MHz to 400 MHz]	32 mW/W		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks
Calibration – Electrical Quantities – HF Electrical Power and Energy					כיוול – גדלים חשמליים - הספק ואנרגיה חשמלית בתדר גבוה		
235	A	P		(400 MHz to 12 GHz]	70 mW/W		
236	A	P	RF Power, Power Sources / Watt Meters	הספק תדר גבוה, מקורות הספק [3 W to 50 W] [10 MHz to 400 MHz]	50 mW/W	CPE-812C	Thermocouple Element Agilent E4417A Power meter Bird 8325 Attenuator RF Amplifier
237	A	P	DC Attenuation, Attenuators DC	הנחתה זרם ישר, מנחיתים זרם ישר DC	[0 to 70 dB]	CPE-840G	Calibrator Datron 4808 Multimeter Fluke 8508
238	A	P		(70 to 80 dB]	0.1 dB		
239	A	P		(80 to 90 dB]	0.5 dB		
240	A	P	LF&RF Attenuation, Attenuators LF&RF	הנחתה תדר נמוך תדר גבוה, מנחיתים תדר נמוך תדר גבוה [1 kHz to 30 MHz]	0 to 70 dB	CPE-840D	Agilent 8495B Agilent E8247C Marconi 2032
241	A	P		(30 MHz to 1 GHz]	0 to 70 dB		
242	A	P		(1 GHz to 7 GHz]	0 to 70 dB		
243	A	P		(7GHz to 12 GHz]	0 to 70dB		
244	A	P		(12GHz-18GHz]	0 to 70dB		
245	A	P		(30 MHz to 4 GHz]	(0 to 70 dB)		
246	A	P		(4GHz to 12 GHz]	(70 to 90 dB]		
247	A	P		(12GHz to 18 GHz]	(70 to 90 dB]		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks
Calibration – Electrical Quantities - RF Frequency, Time					כיוול – גדלים חשמליים - תדר גבוה, זמן		
248	A	P	Frequency, Frequency Measuring Instruments and Frequency Sources	תדר, מכשירי מדידת תדר ומחוללי תדר 1 MHz	1 part in 10 ¹¹	CPE-832A	GPS Time & Frequency System Over 8 Hours 1 h integration time
249	A	P		5 MHz	1 part in 10 ¹¹		1 h integration time
250	A	P		10 MHz	1 part in 10 ¹¹		1 h integration time
251	A	P		[1 Hz to 1 MHz]	1 part in 10 ⁹	CPE-832D	10 sec integration time
252	A	P		(1 MHz to 18 GHz)	1 part in 10 ¹⁰		10 sec integration time
253	A	T		[1 Hz to 1 kHz]	1 part in 10 ⁶		1 sec integration time
254	A	T		(1 kHz to 18 GHz)	2 part in 10 ⁸		1 sec integration time
255	A	P.T	Time, Timers and stop watches	מדי זמן ושעוני עצר 30 sec to 24 h	0.1 sec	CPI-580A CPI-580B	
256	A	P	Amplitude Modulation, Modulation Meters & Sources	אפנון תנופה, מדי ומקורות אפנון Carrier frequency: [1 MHz to 1 GHz] Modulation frequency: [90 Hz to 10 kHz] Modulation depth: [1 % - 100 %]	1% O.R.	CPE-835C CPE-835D	Carrier Oscilloscope DC Calibrator Signal generator O.R. - Of Reading
257	A	P	Frequency Modulation, Modulation Meters & Sources	אפנון תדר, מדי ומקורות אפנון Carrier frequency [10 MHz to 1 GHz] Modulation frequency: [100 Hz to 10 kHz] Deviation frequency [200 Hz to 100 kHz]	0.5% O.R.	CPE-835C CPE-835D	Deviation Spectrum analyzer Marconi 2032 O.R. - Of Reading



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks	
Calibration – Physical Quantities – Optics					כיוול – גדלים פיזיקליים – אופטיקה			
258	A	P	Illuminance, Visible Light, Illuminance Meters	עוצמת ההארה, אור נראה, מדי עוצמת ההארה	5 lx to 10000 lx	5.1 %	CPE-863E	
259	A	T	Illuminance, Visible Light, Illuminance Meters	עוצמת ההארה, אור נראה מדי עוצמת ההארה	5 lx to 10000 lx	10 %	CPE-863T	
260	A	T	Illuminance, UV-A radiation Illuminance	עוצמת ההארה, אור אולטרא-סגולה מדי עוצמת ההארה	365 nm 1.5 W/m ² to 50 W/m ²	10 %	CPE-863T	
261	A	P	Irradiance, UV-A radiation, Irradiance Meters	עוצמת ההקרנה, קרינה אולטרא-סגולה מדי עוצמת ההקרנה	365 nm 1.5 W/m ² to 50 W/m ²	8 %	CPE-863D	
262	A	T	Illuminance, Visible Light Illuminance testing Sources	עוצמת ההארה, אור נראה, בדיקת עוצמת ההארה מקורות	5 lx to 10000 lx	10 %	CPE-863S	
263	A	T	Illuminance, UV-A radiation, Illuminance testing Sources	עוצמת ההארה, קרינה אולטרא-סגולה בדיקת עוצמת ההארה מקורות	365 nm 1.5 W/m ² to 50 W/m ²	10 %	CPE-863S	



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks
Calibration – Physical Quantities - Humidity					כיוול – גדלים פיזיקליים - לחות		
264	A	P	Humidity, Relative humidity gauges, sensors, recorders	לחות, מדדי לחות יחסית, רגשים, רשמים [10 %rh to 50 %rh] [5 °C to 25 °C]	0.7 %rh	NPL-ISBN-0-904457-24-9 CPI-590M	Dew point & Humidity Chamber rh– Relative Humidity
265	A	P					
266	A	P					
267	A	P					
268	A	P,T	Humidity, Humidity chambers, controllers, relative humidity recorders, sensors etc.	לחות, תאי לחות, בקרים, רשמי לחות יחסית, רגשים וכד' [10 %rh to 80 %rh] [0 °C to 50 °C]	1.5 %rh	CPI-590H	HUMIDITY GENERATOR ROTRONIC HG2-S. rh – Relative Humidity
269	A	P,T					



Item	Scope Type	Site	Measurand Instrument, Gauge		Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks
Calibration – Physical Quantities - Mass						כיוול – גדלים פיזיקליים - מסה		
270	A	P	Mass	מסה	1 mg to 100 mg	0.005 mg	OIML R 111-1 CPM-188A	Mass comparators & Calibrated mass.
271	A	P			200 mg	0.006 mg		
272	A	P			500 mg	0.008 mg		
273	A	P			1 g	0.010 mg		
274	A	P			2 g	0.012 mg		
275	A	P			5 g	0.015 mg		
276	A	P			10 g	0.020 mg		
277	A	P			20 g	0.025 mg		
278	A	P			50 g	0.030 mg		
279	A	P			100 g	0.050 mg		
280	A	P			200 g	0.100 mg		
281	A	P			500 g	0.8 mg		
282	A	P			1000 g	1.5 mg		
283	A	P			2000 g	2.0 mg		
284	A	P			5000 g	5.0 mg		
285	A	P			10000 g	10.0 mg		
286	A	P			20000 g	20.0 mg		
287	A	P;T	Non-automatic weighing instruments Resolution: 0.001 mg and less	מאזניים לא אוטומטיים כושר הפרדה: 0.001 mg ופחות	(Up to 10 mg]	5 µg	OIML R 76-1 & Manufacturer instructions CPM-188C CPM-188E	Dead weights OIML class E2, F1, F2, M1, M2
288	A	P;T			(10 mg to 500 mg]	10 µg		
289	A	P;T			(500 mg to 2 g]	12 µg		
290	A	P;T			(2 g to 5 g]	15 µg		
291	A	P;T			(5 g to 20 g]	25 µg		
292	A	P;T			(20 g to 50 g]	30 µg		



Item	Scope Type	Site	Measurand Instrument, Gauge		Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks
Calibration – Physical Quantities - Mass						כיוול – גדלים פיזיקליים - מסה		
293	A	P;T	Non automatic weighing instruments Resolution: 0.01 mg	מאזניים לא אוטומטיים	(Up to 5 g]	15 µg		
294	A	P;T		כושר הפרדה: 0.01 mg	(5 g to 50 g]	35 µg		
295	A	P;T			(50 g to 250 g]	130 µg		
296	A	P;T	Non automatic weighing instruments Resolution: 0.1 mg	מאזניים לא אוטומטיים	(Up to 50 g]	100 µg		
297	A	P;T		כושר הפרדה: 0.1 mg	(50 g to 250 g]	180 µg		
298	A	P;T			(250 g to 500 g]	1.1 mg		
299	A	P;T	Non automatic weighing instruments Resolution: 0.001 g	מאזניים לא אוטומטיים	(Up to 600 g]	1.5 mg		
300	A	P;T		כושר הפרדה: 0.001 g	(600 to 2000g]	3 mg		
301	A	P;T	Non automatic weighing instruments Resolution: 0.01 g	מאזניים לא אוטומטיים	(Up to 5.1 kg]	10 mg		
302	A	P;T		כושר הפרדה: 0.01 g	(5.1 to 12.1kg]	20 mg		
303	A	P;T	Non automatic weighing instruments Resolution: 0.1 g	מאזניים לא אוטומטיים	(Up to 8.1 kg]	100 mg		
304	A	P;T		כושר הפרדה: 0.1 g	(8.1 to 32 kg]	100 mg		
305	A	P;T			(32 kg to 64 kg]	200 mg		
306	A	P;T	Non automatic weighing instruments Resolution: 1 g	מאזניים לא אוטומטיים	(Up to 50 kg]	1 g		
307	A	P;T		כושר הפרדה: 1 g	(50 kg to 150 kg]	1 g		
308	A	P;T	Non automatic weighing instruments Resolution: 0.01 kg	מאזניים לא אוטומטיים	(Up to 200 kg]	10 g		
309	A	P;T		כושר הפרדה: 0.01 kg	(200 kg to 500 kg]	10 g		
310	A	P;T	Non automatic weighing instruments Resolution: 0.1 kg	מאזניים לא אוטומטיים	(Up to 1000 kg]	0.1 kg		
311	A	P;T		כושר הפרדה: 0.1 kg	(1000 kg to 2000 kg]	2 kg		



Item	Scope Type	Site	Measurand Instrument, Gauge		Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks
Calibration – Physical Quantities - Mass						כיוול – גדלים פיזיקליים - מסה		
312	A	P	WHEEL & AIRCRAFT WEIGHING PLATFORM	משטחי שקילת רכב ומטוסים	(Up to 1000 kg]	0.0 7%O.R. or 1 div whichever is greater	OIML R 76-1	Load cells &
313	A	P	1 div: 0.5 kg, 1 kg, 2 kg, 5 kg, 10 kg	כוסר הפרדה : 0.5 kg, 1 kg, 2 kg, 5 kg, 10 kg	(1000 kg to 30000 kg]	0.15 %O.R. or 1 div whichever is greater	ISO 376 Manufacturer instructions CPM-188L CPM-188J	Press O.R. - Of Reading



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks
Calibration – Physical Quantities - Pressure					כיוול – גדלים פיזיקליים - לחץ		
314	A	P,T	Pressure, Pneumatic Absolute Pressure, Absolute Pressure Gauges	לחץ, מדי לחץ אבסולוטי [0.029 Pa to 123 Pa]	5 %O.R.	OIML R 101 EURAMET cg-17 CPI-510M	Vacuum, Low MKS 390 ha – 00001 O.R. - Of Reading
315	A	P				CPI-510K DKD R 6-1	DRUCK PACE -6000 CM3 ABS
316	A	P					
317	A	P	Pressure, Pneumatic Gauge Pressure, Pressure Gauges	לחץ, מדידי לחץ פנאומטיים [-100 kPa to 0.2 kPa]	25 Pa	OIML R 101 DKD R 6-1 CPI-510A	Vacuum: Relative pressure, Negative Precision Pressure Indicator DRUCK 610
318	A	T				CPI-510A	Automatic pressure calibration system “King” 3666
319	A	P,T				CPI-510F	Relative pressure Precision Pressure Calibrator FURNESS FCO560
320	A	P				CPI-510N	D.W.T RUSKA
321	A	T				CPI-510A	Automatic pressure calibration system “King” 3666
322	A	P	Pressure, Hydraulic Pressure Gauges	לחץ, מדידי לחץ הידראוליים [0.62 MPa to 12.4 MPa]	0.015 %O.R.	OIML R 101 DKD R 6-1 CPI-510C	D.W.T. PRESSURMENTS O.R. - Of Reading D.W.T BARNET
323	A	P				CPI-510C	D.W.T. PRESSURMENTS AREMECA
324	A	T				CPI-510A	Automatic pressure calibration system “King” 3666



Item	Scope Type	Site	Measurand Instrument, Gauge		Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks
Calibration – Physical Quantities - Temperature						כיוול – גדלים פיזיקליים - טמפרטורה		
325	A	P	Temperature, Liquid in Glass Thermometers	טמפרטורה, מדי חום נוזל בזכוכית	[- 80 °C to - 40 °C]	0.06 °C	ASTM-E-77 CPI-541D	SPRT; Intelligent probe
326	A	P			(- 40 °C to 100 °C]	0.05 °C		
327	A	P			(100 °C to 250 °C]	0.1 °C		
328	A	P	Temperature, Thermocouples, Base Metal (K, N, T...)	טמפרטורה, צמדדים תרמיים, מתכות בסיסיות	[-80 °C to 250 °C]	0.5 °C	ASTM-E-220 CPI-546G	Platinum thermocouple Intelligent Probe, Liquid Bath, Dry Block, Furnace
329	A	P			(250 °C to 419 °C]	0.7 °C		
330	A	P			(419 °C to 1084 °C]	0.8 °C		
331	A	T			-80 °C to 419 °C	0.7 °C		
332	A	P	Temperature, Thermocouples, Noble Metal (S, R,)	טמפרטורה, צמדדים תרמיים, מתכות אצילית	[0 °C to 419 °C]	0.6 °C	ASTM-E-220 CPI-546G	
333	A	p			(419 °C to 1084 °C]	0.8 °C		
334	A	T			0 °C to 419 °C	0.6 °C		
335	A	P	Temperature, Platinum Resistance Thermometers	טמפרטורה, מדי חום התנגדות פלטינה	[- 80 °C to 100 °C]	0.05 °C	ASTM-E-644 CPI-546F	
336	A	P			(100 °C to 250 °C]	0.1 °C		
337	A	P			(250 °C to 550 °C]	0.2 °C		
338	A	T	Temperature, Platinum Resistance Thermometers	טמפרטורה, גששי טמפרטורה התנגדות	[- 30 °C to 100 °C]	0.1 °C	ASTM-E-644 CPI-546F	SPRT, Liquid bath, Dry block, Furnace
339	A	T			(100 °C to 250 °C]	0.15 °C		
340	A	T			(250 °C to 550 °C]	0.25 °C		
341	A	P;T	Temperature, Electronic Thermometers including sensors	טמפרטורה, מדי טמפרטורה אלקטרוניים עם גששים	[- 80 °C to 600 °C]	As for sensors plus one significant digit or 0.5 scale division.	ASTM-E-644 ASTM-E-220 CPI-546F CPI-546G	SPRT, T/C-R



Item	Scope Type	Site	Measurand Instrument, Gauge		Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks
Calibration – Physical Quantities - Temperature						כיוול – גדלים פיזיקליים - טמפרטורה		
342	A	P;T	Temperature, Temperature indicators and simulators for Base metal thermocouples	טמפרטורה, מדי ומדמי טמפרטורה עבור צמדדים תרמיים מתכות בסיסיות	[-200°C to -150 °C]	0.3 °C	EURAMET/cg-11 Manufacturer's Specifications CPI-590J CPI-541B	Calibration by means of electrical simulation
343	A	P;T		(-150 °C to 1370 °C)	0.15 °C	Excluding CJ compensation		
344	A	P;T		[-200 °C to -150 °C]	0.4 °C	Including CJ compensation		
345	A	P;T		(-150 °C to 1370 °C)	0.2 °C	Including CJ compensation		
346	A	P;T	Temperature, Temperature indicators and simulators for Noble metal thermocouples	טמפרטורה, מדי ומדמי טמפרטורה עבור צמדדים תרמיים מתכות אצילות	[-50 °C to 0 °C]	0.4 °C	EURAMET/cg-11 Manufacturer's Specifications CPI-590J CPI-541B	Calibration by means of electrical simulation
347	A	P;T		(0 °C to 1768 °C)	0.2 °C	Excluding CJ compensation		
348	A	P;T		[-50 °C to 0 °C]	0.7 °C	Including CJ compensation		
349	A	P;T		(0 °C to 1768 °C)	0.4 °C	Including CJ compensation		
350	A	P;T	Temperature, Temperature Indicators and simulators for Resistance sensors	טמפרטורה, מדי ומדמי טמפרטורה עבור מדי התנגדות	[-200 °C to 850 °C]	0.03 °C	EURAMET/cg-11 Manufacturer's Specifications CPI-590J CPI-541B	Calibration by means of electrical simulation
351	A	P	Temperature, Temperature Indicators and simulators Calibration of cold junction compensation for all kinds of thermocouples	טמפרטורה, כיוול צומת קרה למדי ומדמי טמפרטורה	20 °C to 26 °C	0.3 °C	EURAMET/cg-11/v.01 Manufacturer's Specifications CPI-590J CPI-541B	
352	A	P;T	Temperature Uniformity Test, Temperature Controlled Chambers,	פילוג טמפרטורה, תאים מבוקרי טמפרטורה	[- 80 °C to 100 °C]	0.5 °C	AMS 2750E DKD-R5-7 EURAMET CG-20 CPI-546C	Thermocouples; Data logger
353	A	P;T			(100 °C to 300 °C)	0.8 °C		
354	A	P;T			(300 °C to 600 °C)	1.0 °C		
355	A	P;T			(600 °C to 1100 °C)	3.0 °C		



Department: Calibration Laboratory ISO/IEC 17025: 2017

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Item	Scope Type	Site	Measurand Instrument, Gauge		Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks
Calibration – Physical Quantities - Temperature						כיוול – גדלים פיזיקליים - טמפרטורה		
356	A	P	Temperature, Infrared Thermometers	מדי טמפרטורה, מדי טמפרטורה קרינה אינפרה אדום	[35 °C to 100 °C]	1 °C	CPI-544A	
357	A	P;T			(100 °C to 200 °C]	1.7 °C		
358	A	P;T			(200 °C to 300 °C]	2.4 °C		
359	A	P;T			(300 °C to 400 °C]	3.3 °C		
360	A	P;T			[400 °C to 500 °C]	4.1 °C		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks
Calibration – Small (up to 2L) Volume Volumetric instruments					כיוול – כיוול מכשירים וולומטריים – נפחים קטנים עד 2 ליטר		
361	A	P	Volumetric apparatus	[1 µl to 10 µl]	0.06 µl	ISO 8655-1,2,3,6	Analytical Balance & water grade 3
362	A	P	Piston pipettes and burettes	(10 µl to 200 µl]	0.20 µl	ISO 4787	
363	A	P		(200 µl to 500 µl]	0.7 µl	CPM-201C	
364	A	P		(500 µl to 1000 µl]	2 µl	CPM-201B	
365	A	P		(1 ml to 10 ml]	15 µl		
366	A	P		(10 ml to 50 ml]	20 µl		
367	A	P	Volumetric instruments made from glass	[Up to 10 ml]	20 µl		
368	A	P	(flasks,cylinder,burette)	(10 ml to 50 ml]	40 µl		

¹⁾ The uncertainty covered by the CMC expressed as the standard measurement uncertainty multiplied by the coverage factor k such that the coverage probability corresponds to approximately 95 %.