



# תעודת הסמכה מס' 436 רדט ציוד ומערכות 1993 בע"מ

כתובת אתר ייחוס: אפעל 22, פתח תקווה, 4951122

עד יום: 16.12.2026

בתוקף מיום: 04.11.2024

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 (EA) European Accreditation Cooperation.

תעודה זו אינה מהווה אישור לפי סעיף 12 לחוק התקנים.

אתי פלר  
מנכ"ל

הרשות הלאומית להסמכת מעבדות

תאריך הסמכה ראשון: 17.12.2018



הרשות הלאומית להסמכת מעבדות  
Israel Laboratory Accreditation Authority

**Calibration Laboratories**

**ISO/IEC 17025:2017**

**Accreditation Certificate No. 436**

**RDT Equipment & Systems 1993 LTD**

**Main site address:** 22 Efal st., Petah Tikva ,4951122, Israel

**Valid from:04.11.2024**

**Until: 16.12.2026**

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: 17.12.2018**

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

Date of signature 04/11/2024

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Name and Address:

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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 <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישר ותדר נמוך</b>		
1	A	P,T	DC Voltage, Measuring Instruments	מתח בזרם ישר, מכשירי מדידה	0 mV	0.87 μV	Manufacture Instructions FLUKE 8508A CP-3004
2	A	P,T		(1 mV to 100 mV]	1 μV		
3	A	P,T		(100 mV to 200 mV]	1.7 μV		
4	A	P,T		(0.2 V to 0.7 V]	3.5 μV		
5	A	P,T		(0.7 V to 2 V]	5 μV/V		
6	A	P,T		(2 V to 7 V]	30 μV		
7	A	P,T		(7 V to 20 V]	5 μV/V		
8	A	P,T		(20 V to 70 V]	0.5 mV		
9	A	P,T		(70 V to 200 V]	7 μV/V		
10	A	P,T		(200 V to 500 V]	4 mV		
11	A	P,T		(500V to 1050V]	8 μV/V		
12	A	P,T	DC Voltage, Sources	מתח בזרם ישר, מחוללים	0 mV	0.87 μV	Manufacture Instructions FLUKE 8508A CP-3002
13	A	P,T		(1 mV to 100 mV]	1 μV		
14	A	P,T		(100 mV to 200 mV]	1.7 μV		
15	A	P,T		(0.2 V to 0.7 V]	3.5 μV		
16	A	P,T		(0.7 V to 2 V]	5 μV/V		
17	A	P,T		(2 V to 7 V]	30 μV		
18	A	P,T		(7 V to 20 V]	5 μV/V		
19	A	P,T		(20 V to 70 V]	0.5 mV		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישר ותדר נמוך</b>		
20	A	P,T		(70 V to 200 V]	7 $\mu$ V/V		
21	A	P,T		(200 V to 500 V]	4 mV		
22	A	P,T		(500 V to 1050 V]	8 $\mu$ V/V		
23	A	P,T		(1 kV to 2 kV]	1 V	VITREK 4700 + Probe HVL35 CP-3002	
24	A	P,T		(2 kV to 5 kV]	2 V		
25	A	P,T		(5 kV to 10 kV]	7 V		
26	A	P,T		(10 kV to 20 kV]	10 V		
27	A	P,T		(20 kV to 30 kV]	12 V		
28	A	P,T	DC Current, Measuring Instruments	זרם ישר, מכשירי מדידה	(0 $\mu$ A to 10 $\mu$ A]	1 nA	Manufacture Instructions FLUKE 8508A CP-3004
29	A	P,T		(10 $\mu$ A to 50 $\mu$ A]	1.5 nA		
30	A	P,T		(50 $\mu$ A to 200 $\mu$ A]	3.5 nA		
31	A	P,T		(0.2 mA to 0.4 mA]	13 nA		
32	A	P,T		(0.4 mA to 2 mA]	20 $\mu$ A/A		
33	A	P,T		(2 mA to 3 mA]	100 nA		
34	A	P,T		(3 mA to 7 mA]	32 $\mu$ A/A		
35	A	P,T		(7 mA to 20 mA]	25 $\mu$ A/A		
36	A	P,T		(20 mA to 40 mA]	3.2 $\mu$ A		
37	A	P,T		(40 mA to 70 mA]	4.9 $\mu$ A		
38	A	P,T		(70 mA to 200 mA]	70 $\mu$ A/A		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks	
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישר ותדר נמוך</b>			
39	A	P,T		(0.2 A to 0.4 A]	84 μA			
40	A	P,T		(0.4 A to 0.6 A]	263 μA/A			
41	A	P,T		(0.6 A to 2 A]	242 μA/A			
42	A	P,T		(2 A to 3 A]	2 mA			
43	A	P,T		(3 A to 7 A]	580 μA/A			
44	A	P,T		(7 A to 10 A]	530 μA/A			
45	A	P,T		(10 A to 20 A]	510 μA/A			
46	A	P,T		(20A to 50A]	0.2 A	CALIBRATOR FLUKE 5522A with COIL CP-3004		
47	A	P,T		(50A to 1000A]	(0.3% of rdg + 0.2) A			
48	A	P,T	DC Current, Source	זרם ישר, מקורות	(0 μA to 10 μA]	1 nA	Manufacture Instructions FLUKE 8508A CP-3002	
49	A	P,T			(10 μA to 50 μA]	1.5 nA		
50	A	P,T			(50 μA to 200 μA]	3.5 nA		
51	A	P,T			(0.2 mA to 0.4 mA]	13 nA		
52	A	P,T			(0.4 mA to 2 mA]	20 nA/A		
53	A	P,T			(2 mA to 3 mA]	100 nA		
54	A	P,T			(3 mA to 7 mA]	32 μA/A		
55	A	P,T			(7 mA to 20 mA]	25 μA/A		
56	A	P,T			(20 mA to 40 mA]	3.2 μA		
57	A	P,T			(40 mA to 70 mA]	4.9 μA		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישר ותדר נמוך</b>		
58	A	P,T		(70 mA to 200 mA]	70 $\mu$ A/A		
59	A	P,T		(0.2 A to 0.4 A]	84 $\mu$ A		
60	A	P,T		(0.4 A to 0.6 A]	263 $\mu$ A/A		
61	A	P,T		(0.6 A to 2 A]	242 $\mu$ A/A		
62	A	P,T		(2 A to 3 A]	2 mA		
63	A	P,T		(3 A to 7 A]	580 $\mu$ A/A		
64	A	P,T		(7 A to 10 A]	530 $\mu$ A/A		
65	A	P,T		(10 A to 20 A]	510 $\mu$ A/A		
66	A	P,T	DC Resistance,	(0 $\Omega$ to 30 m $\Omega$ ]	23 $\mu\Omega/\Omega$ + 6.8 $\mu\Omega$	Manufacture Instructions FLUKE 8508A CP-3006	
67	A	P,T	Resistors	(30 m $\Omega$ to 2 $\Omega$ ]	23 $\mu\Omega/\Omega$ + 6.3 $\mu\Omega$		
68	A	P,T		(2 $\Omega$ to 20 $\Omega$ ]	11 $\mu\Omega/\Omega$ + 30 $\mu\Omega$		
69	A	P,T		(20 $\Omega$ to 200 $\Omega$ ]	8 $\mu\Omega/\Omega$ + 300 $\mu\Omega$		
70	A	P,T		(200 $\Omega$ to 2 k $\Omega$ ]	8.5 $\mu\Omega/\Omega$ + 4 m $\Omega$		
71	A	P,T		(2 k $\Omega$ to 20 k $\Omega$ ]	8.5 $\mu\Omega/\Omega$ + 40 m $\Omega$		
72	A	P,T		(20 k $\Omega$ to 200 k $\Omega$ ]	8 $\mu\Omega/\Omega$ + 0.4 $\Omega$		
73	A	P,T		(200 k $\Omega$ to 2 M $\Omega$ ]	16 $\mu\Omega/\Omega$ + 4 $\Omega$		
74	A	P,T		(2 M $\Omega$ to 9 M $\Omega$ ]	10 $\mu\Omega/\Omega$ + 150 $\Omega$		
75	A	P,T		(9 M $\Omega$ to 20 M $\Omega$ ]	20 $\mu\Omega/\Omega$ + 50 $\Omega$		
76	A	P,T		(20 M $\Omega$ to 200 M $\Omega$ ]	65 $\mu\Omega/\Omega$ + 4 k $\Omega$		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישיר ותדר נמוך</b>		
77	A	P,T		(200 MΩ to 2 GΩ]	200 μΩ/Ω + 150 kΩ		
78	A	P,T		(2 GΩ to 20 GΩ]	1.7 mΩ/Ω + 13 MΩ		
79	A	P,T	DC Resistance, Measuring Instruments	התנגדות זרם ישיר, מכשירי מדידה	(0 Ω to 2 Ω]	20 μΩ/Ω + 5.4 μΩ	Manufacture Instructions FLUKE 8508A CP-3007
80	A	P,T			(2 Ω to 20 Ω]	11 μΩ/Ω + 5.4 μΩ	
81	A	P,T			(20 Ω to 200 Ω]	8 μΩ/Ω + 300 μΩ	
82	A	P,T			(200 Ω to 2 kΩ]	8.5 μΩ/Ω + 4 mΩ	
83	A	P,T			(2 kΩ to 20 kΩ]	8.5 μΩ/Ω + 40 mΩ	
84	A	P,T			(20 kΩ to 200 kΩ]	8 μΩ/Ω + 0.4 Ω	
85	A	P,T			(200 kΩ to 2 MΩ]	16 μΩ/Ω + 4 Ω	
86	A	P,T			(2 MΩ to 9 MΩ]	10 μΩ/Ω + 150 Ω	
87	A	P,T			(9 MΩ to 20 MΩ]	20 μΩ/Ω + 50 Ω	
88	A	P,T			(20 MΩ to 200 MΩ]	65 μΩ/Ω + 4 kΩ	
89	A	P,T			(200 MΩ to 2 GΩ]	200 μΩ/Ω + 150 kΩ	
90	A	P,T			(2 GΩ to 20 GΩ]	1.7 mΩ/Ω + 13 MΩ	
91	A	P,T	AC Voltage, Sources	מתח חילופין, מחוללים	Up to 50 mV]	26 μV	Manufacture Instructions FLUKE 8508A CP-3002
92	A	P,T			(10 Hz to 40 Hz]	36 μV	
					(50 mV to 100 mV]		
93	A	P,T	(100 mV to 200 mV]	55 μV	(10 Hz to 40 Hz]		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישיר ותדר נמוך</b>		
94	A	P,T		Up to 50 mV] (40 Hz to 100 Hz]	13 μV		
95	A	P,T		(50 mV to 100 mV] (40 Hz to 100 Hz]	19 μV		
96	A	P,T		(100 mV to 200 mV] (40 Hz to 100 Hz]	32 μV		
97	A	P,T		(Up to 50 mV] (100 Hz to 2 kHz]	10 μV		
98	A	P,T		(50 mV to 100 mV] (100 Hz to 2 kHz]	16 μV		
99	A	P,T		(100 mV to 200 mV] (100 Hz to 2 kHz]	28 μV		
100	A	P,T		(Up to 50 mV] (2 kHz to 10 kHz]	14 μV		
101	A	P,T		(50 mV to 100 mV] (2 kHz to 10 kHz]	21 μV		
102	A	P,T		(100 mV to 200 mV] (2 kHz to 10 kHz]	36 μV		
103	A	P,T		(Up to 20 mV] (10 kHz to 30 kHz]	18 μV		
104	A	P,T		(20 mV to 100 mV] (10 kHz to 30 kHz]	50 μV		
105	A	P,T		(100 mV to 200 mV] (10 kHz to 30 kHz]	90 μV		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישיר ותדר נמוך</b>		
106	A	P,T		Up to 20 mV] (30 kHz to 100 kHz]	41 μV		
107	A	P,T		(20 mV to 100 mV] (30 kHz to 100 kHz]	110 μV		
108	A	P,T		(100 mV to 200 mV] (30 kHz to 100 kHz]	200 μV		
109	A	P,T		(0.2 V to 0.3 V] (10 Hz to 40 Hz]	190 μV		
110	A	P,T		(0.3 V to 0.5 V] (10 Hz to 40 Hz]	230 μV		
111	A	P,T		(0.5 V to 1 V] (10 Hz to 40 Hz]	310 μV		
112	A	P,T		(1 V to 2 V] (10 Hz to 40 Hz]	490 μV		
113	A	P,T		(0.2 V to 0.3 V] (40 Hz to 100 Hz]	55 μV		
114	A	P,T		(0.3 V to 0.5 V] (40 Hz to 100 Hz]	80 μV		
115	A	P,T		(0.5 V to 1 V] (40 Hz to 100 Hz]	130 μV		
116	A	P,T		(1 V to 2 V] (40 Hz to 100 Hz]	230 μV		
117	A	P,T		(0.2 V to 0.3 V] (100 Hz to 2 kHz]	50 μV		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישיר ותדר נמוך</b>		
118	A	P,T		(0.3 V to 0.5 V] (100 Hz to 2 kHz]	70 μV		
119	A	P,T		(0.5 V to 1 V] (100 Hz to 2 kHz]	110 μV		
120	A	P,T		(1 V to 2 V] (100 Hz to 2 kHz]	200 μV		
121	A	P,T		(0.2 V to 0.3 V] (2 kHz to 10 kHz]	65 μV		
122	A	P,T		(0.3 V to 0.5 V] (2 kHz to 10 kHz]	90 μV		
123	A	P,T		(0.5 V to 1 V] (2 kHz to 10 kHz]	150 μV		
124	A	P,T		(1 V to 2 V] (2 kHz to 10 kHz]	280 μV		
125	A	P,T		(0.2 V to 0.3 V] (10 kHz to 30 kHz]	120 μV		
126	A	P,T		(0.3 V to 0.5 V] (10 kHz to 30 kHz]	170 μV		
127	A	P,T		(0.5 V to 1 V] (10 kHz to 30 kHz]	300 μV		
128	A	P,T		(1 V to 2 V] (10 kHz to 30 kHz]	560 μV		
129	A	P,T		(0.2 V to 0.3 V] (30 kHz to 100 kHz]	430 μV		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישיר ותדר נמוך</b>		
130	A	P,T		(0.3 V to 0.5 V] (30 kHz to 100 kHz]	560 $\mu$ V		
131	A	P,T		(0.5 V to 1 V] (30 kHz to 100 kHz]	890 $\mu$ V		
132	A	P,T		(1 V to 2 V] (30 kHz to 100 kHz]	1.6 mV		
133	A	P,T		(0.2 V to 0.3 V] (100 kHz to 300 kHz]	3.5 mV		
134	A	P,T		(0.3 V to 0.5 V] (100 kHz to 300 kHz]	4.1 mV		
135	A	P,T		(0.5 V to 1 V] (100 kHz to 300 kHz]	6 mV		
136	A	P,T		(1 V to 2 V] (100 kHz to 300 kHz]	9 mV		
137	A	P,T		(0.2 V to 0.5 V] (300 kHz to 1 MHz]	29 mV		
138	A	P,T		(0.5 V to 1 V] (300 kHz to 1 MHz]	35 mV		
139	A	P,T		(1 V to 2 V] (300 kHz to 1 MHz]	45 mV		
140	A	P,T		(2 V to 5 V] (10 Hz to 40 Hz]	2.3 mV		
141	A	P,T		(5 V to 10 V] (10 Hz to 40 Hz]	3.1 mV		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישיר ותדר נמוך</b>		
142	A	P,T		(10 V to 20 V] (10 Hz to 40 Hz]	4.9 mV		
143	A	P,T		(2 V to 5 V] (40 Hz to 2 kHz]	0.8 mV		
144	A	P,T		(5 V to 10 V] (40 Hz to 2 kHz]	1.3 mV		
145	A	P,T		(10 V to 20 V] (40 Hz to 2 kHz]	2.3 mV		
146	A	P,T		(2 V to 5 V] (2 kHz to 10 kHz]	0.9 mV		
147	A	P,T		(5 V to 10 V] (2 kHz to 10 kHz]	1.5 mV		
148	A	P,T		(10 V to 20 V] (2 kHz to 10 kHz]	2.8 mV		
149	A	P,T		(2 V to 3 V] (10 kHz to 30 kHz]	1.2 mV		
150	A	P,T		(3 V to 5 V] (10 kHz to 30 kHz]	1.8 mV		
151	A	P,T		(5 V to 10 V] (10 kHz to 30 kHz]	3 mV		
152	A	P,T		(10 V to 20 V] (10 kHz to 30 kHz]	5.5 mV		
153	A	P,T		(2 V to 3 V] (30 kHz to 100 kHz]	4.3 mV		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישיר ותדר נמוך</b>		
154	A	P,T		(3 V to 5 V] (30 kHz to 100 kHz]	5.6 mV		
155	A	P,T		(5 V to 10 V] (30 kHz to 100 kHz]	9 mV		
156	A	P,T		(10 V to 20 V] (30 kHz to 100 kHz]	15 mV		
157	A	P,T		(2 V to 3 V] (100 kHz to 300 kHz]	34 mV		
158	A	P,T		(3 V to 5 V] (100 kHz to 300 kHz]	41 mV		
159	A	P,T		(5 V to 10 V] (100 kHz to 300 kHz]	58 mV		
160	A	P,T		(10 V to 20 V] (100 kHz to 300 kHz]	92 mV		
161	A	P,T		(2 V to 5 V] (300 kHz to 1 MHz]	290 mV		
162	A	P,T		(5 V to 10 V] (300 kHz to 1 MHz]	350 mV		
163	A	P,T		(10 V to 20 V] (300 kHz to 1 MHz]	460 mV		
164	A	P,T		(20 V to 50 V] (10 Hz to 40 Hz]	23 mV		
165	A	P,T		(50 V to 100 V] (10 Hz to 40 Hz]	32mV		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישיר ותדר נמוך</b>		
166	A	P,T		(100 V to 200 V] (10 Hz to 40 Hz]	49 mV		
167	A	P,T		(20 V to 50 V] (40 Hz to 2 kHz]	8.5 mV		
168	A	P,T		(50 V to 100 V] (40 Hz to 2 kHz]	13 mV		
169	A	P,T		(100 V to 200 V] (40 Hz to 2 kHz]	23 mV		
170	A	P,T		(20 V to 30 V] (2 kHz to 10 kHz]	7.3 mV		
171	A	P,T		(30 V to 50 V] (2 kHz to 10 kHz]	10 mV		
172	A	P,T		(50 V to 100 V] (2 kHz to 10 kHz]	16 mV		
173	A	P,T		(100 V to 200 V] (2 kHz to 10 kHz]	28 mV		
174	A	P,T		(20 V to 30 V] (10 kHz to 30 kHz]	13 mV		
175	A	P,T		(30 V to 50 V] (10 kHz to 30 kHz]	18 mV		
176	A	P,T		(50 V to 100 V] (10 kHz to 30 kHz]	30 mV		
177	A	P,T		(100 V to 200 V] (10 kHz to 30 kHz]	55 mV		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישיר ותדר נמוך</b>		
178	A	P,T		(20 V to 30 V] (30 kHz to 100 kHz]	43 mV		
179	A	P,T		(30 V to 50 V] (30 kHz to 100 kHz]	56 mV		
180	A	P,T		(50 V to 100 V] (30 kHz to 100 kHz]	90 mV		
181	A	P,T		(100 V to 200 V] (30 kHz to 100 kHz]	160 mV		
182	A	P,T		(200 V to 300 V] (50 Hz to 10 kHz]	90 mV		
183	A	P,T		(300 V to 500 V] (50 Hz to 10 kHz]	110 mV		
184	A	P,T		(500 V to 1050 V] (50 Hz to 10 kHz]	170 mV		
185	A	P,T		(200 V to 300 V] (10 kHz to 30 kHz]	140 mV		
186	A	P,T		(300 V to 500 V] (10 kHz to 30 kHz]	190 mV		
187	A	P,T		(500 V to 1050 V] (10 kHz to 30 kHz]	310 mV		
188	A	P,T	AC Voltage, Measuring Instruments	מתח חילופין, מכשירי מדידה	Up to 50 mV] (10 Hz to 40 Hz]	26 μV	Manufacture Instructions FLUKE 8508A
189	A	P,T		(50 mV to 100 mV] (10 Hz to 40 Hz]	36 μV	CP-3004	



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישיר ותדר נמוך</b>		
190	A	P,T		(100 mV to 200 mV] (10 Hz to 40 Hz]	55 μV		
191	A	P,T		(Up to 50 mV] (40 Hz to 100 Hz]	13 μV		
192	A	P,T		(50 mV to 100 mV] (40 Hz to 100 Hz]	19 μV		
193	A	P,T		(100 mV to 200 mV] (40 Hz to 100 Hz]	32 μV		
194	A	P,T		(Up to 50 mV] (100 Hz to 2 kHz]	10 μV		
195	A	P,T		(50 mV to 100 mV] (100 Hz to 2 kHz]	16 μV		
196	A	P,T		(100 mV to 200 mV] (100 Hz to 2 kHz]	28 μV		
197	A	P,T		(Up to 50 mV] (2 kHz to 10 kHz]	14 μV		
198	A	P,T		(50 mV to 100 mV] (2 kHz to 10 kHz]	21 μV		
199	A	P,T		(100 mV to 200 mV] (2 kHz to 10 kHz]	36 μV		
200	A	P,T		Up to 20 mV] (10 kHz to 30 kHz]	18 μV		
201	A	P,T		(20 mV to 100 mV] (10 kHz to 30 kHz]	50 μV		
202	A	P,T		(100 mV to 200 mV] (10 kHz to 30 kHz]	90 μV		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישיר ותדר נמוך</b>		
203	A	P,T		Up to 20 mV] (30 kHz to 100 kHz]	41 μV		
204	A	P,T		(20 mV to 100 mV] (30 kHz to 100 kHz]	110 μV		
205	A	P,T		(100 mV to 200 mV] (30 kHz to 100 kHz]	200 μV		
206	A	P,T		(0.2 V to 0.3 V] (10 Hz to 40 Hz]	190 μV		
207	A	P,T		(0.3 V to 0.5 V] (10 Hz to 40 Hz]	230 μV		
208	A	P,T		(0.5 V to 1 V] (10 Hz to 40 Hz]	310 μV		
209	A	P,T		(1 V to 2 V] (10 Hz to 40 Hz]	490 μV		
210	A	P,T		(0.2 V to 0.3 V] (40 Hz to 100 Hz]	55 μV		
211	A	P,T		(0.3 V to 0.5 V] (40 Hz to 100 Hz]	80 μV		
212	A	P,T		(0.5 V to 1 V] (40 Hz to 100 Hz]	130 μV		
213	A	P,T		(1 V to 2 V] (40 Hz to 100 Hz]	230 μV		
214	A	P,T		(0.2 V to 0.3 V] (100 Hz to 2 kHz]	50 μV		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישיר ותדר נמוך</b>		
215	A	P,T		(0.3 V to 0.5 V] (100 Hz to 2 kHz]	70 μV		
216	A	P,T		(0.5 V to 1 V] (100 Hz to 2 kHz]	110 μV		
217	A	P,T		(1 V to 2 V] (100 Hz to 2 kHz]	200 μV		
218	A	P,T		(0.2 V to 0.3 V] (2 kHz to 10 kHz]	65 μV		
219	A	P,T		(0.3 V to 0.5 V] (2 kHz to 10 kHz]	90 μV		
220	A	P,T		(0.5 V to 1 V] (2 kHz to 10 kHz]	150 μV		
221	A	P,T		(1 V to 2 V] (2 kHz to 10 kHz]	280 μV		
222	A	P,T		(0.2 V to 0.3 V] (10 kHz to 30 kHz]	120 μV		
223	A	P,T		(0.3 V to 0.5 V] (10 kHz to 30 kHz]	170 μV		
224	A	P,T		(0.5 V to 1 V] (10 kHz to 30 kHz]	300 μV		
225	A	P,T		(1 V to 2 V] (10 kHz to 30 kHz]	560 μV		
226	A	P,T		(0.2 V to 0.3 V] (30 kHz to 100 kHz]	430 μV		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישיר ותדר נמוך</b>		
227	A	P,T		(0.3 V to 0.5 V] (30 kHz to 100 kHz]	560 $\mu$ V		
228	A	P,T		(0.5 V to 1 V] (30 kHz to 100 kHz]	890 $\mu$ V		
229	A	P,T		(1 V to 2 V] (30 kHz to 100 kHz]	1.6 mV		
230	A	P,T		(0.2 V to 0.3 V] (100 kHz to 300 kHz]	3.5 mV		
231	A	P,T		(0.3 V to 0.5 V] (100 kHz to 300 kHz]	4.1 mV		
232	A	P,T		(0.5 V to 1 V] (100 kHz to 300 kHz]	6 mV		
233	A	P,T		(1 V to 2 V] (100 kHz to 300 kHz]	9 mV		
234	A	P,T		(0.2 V to 0.5 V] (300 kHz to 1 MHz]	29 mV		
235	A	P,T		(0.5 V to 1 V] (300 kHz to 1 MHz]	35 mV		
236	A	P,T		(1 V to 2 V] (300 kHz to 1 MHz]	45 mV		
237	A	P,T		(2 V to 5 V] (10 Hz to 40 Hz]	2.3 mV		
238	A	P,T		(5 V to 10 V] (10 Hz to 40 Hz]	3.1 mV		
239	A	P,T		(10 V to 20 V] (10 Hz to 40 Hz]	4.9 mV		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישיר ותדר נמוך</b>		
240	A	P,T		(2 V to 5 V] (40 Hz to 2 kHz]	0.8 mV		
241	A	P,T		(5 V to 10 V] (40 Hz to 2 kHz]	1.3 mV		
242	A	P,T		(10 V to 20 V] (40 Hz to 2 kHz]	2.3 mV		
243	A	P,T		(2 V to 5 V] (2 kHz to 10 kHz]	0.9 mV		
244	A	P,T		(5 V to 10 V] (2 kHz to 10 kHz]	1.5 mV		
245	A	P,T		(10 V to 20 V] (2 kHz to 10 kHz]	2.8 mV		
246	A	P,T		(2 V to 3 V] (10 kHz to 30 kHz]	1.2 mV		
247	A	P,T		(3 V to 5 V] (10 kHz to 30 kHz]	1.8 mV		
248	A	P,T		(5 V to 10 V] (10 kHz to 30 kHz]	3 mV		
249	A	P,T		(10 V to 20 V] (10 kHz to 30 kHz]	5.5 mV		
250	A	P,T		(2 V to 3 V] (30 kHz to 100 kHz]	4.3 mV		
251	A	P,T		(3 V to 5 V] (30 kHz to 100 kHz]	5.6 mV		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישר ותדר נמוך</b>		
252	A	P,T		(5 V to 10 V] (30 kHz to 100 kHz]	9 mV		
253	A	P,T		(10 V to 20 V] (30 kHz to 100 kHz]	15 mV		
254	A	P,T		(2 V to 3 V] (100 kHz to 300 kHz]	34 mV		
255	A	P,T		(3 V to 5 V] (100 kHz to 300 kHz]	41 mV		
256	A	P,T		(5 V to 10 V] (100 kHz to 300 kHz]	58 mV		
257	A	P,T		(10 V to 20 V] (100 kHz to 300 kHz]	92 mV		
258	A	P,T		(2 V to 5 V] (300 kHz to 1 MHz]	290 mV		
259	A	P,T		(5 V to 10 V] (300 kHz to 1 MHz]	350 mV		
260	A	P,T		(10 V to 20 V] (300 kHz to 1 MHz]	460 mV		
261	A	P,T		(20 V to 50 V] (10 Hz to 40 Hz]	23 mV		
262	A	P,T		(50 V to 100 V] (10 Hz to 40 Hz]	32mV		
263	A	P,T		(100 V to 200 V] (10 Hz to 40 Hz]	49 mV		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישיר ותדר נמוך</b>		
264	A	P,T		(20 V to 50 V] (40 Hz to 2 kHz]	8.5 mV		
265	A	P,T		(50 V to 100 V] (40 Hz to 2 kHz]	13 mV		
266	A	P,T		(100 V to 200 V] (40 Hz to 2 kHz]	23 mV		
267	A	P,T		(20 V to 30 V] (2 kHz to 10 kHz]	7.3 mV		
268	A	P,T		(30 V to 50 V] (2 kHz to 10 kHz]	10 mV		
269	A	P,T		(50 V to 100 V] (2 kHz to 10 kHz]	16 mV		
270	A	P,T		(100 V to 200 V] (2 kHz to 10 kHz]	28 mV		
271	A	P,T		(20 V to 30 V] (10 kHz to 30 kHz]	13 mV		
272	A	P,T		(30 V to 50 V] (10 kHz to 30 kHz]	18 mV		
273	A	P,T		(50 V to 100 V] (10 kHz to 30 kHz]	30 mV		
274	A	P,T		(100 V to 200 V] (10 kHz to 30 kHz]	55 mV		
275	A	P,T		(20 V to 30 V] (30 kHz to 100 kHz]	43 mV		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישר ותדר נמוך</b>		
276	A	P,T		(30 V to 50 V] (30 kHz to 100 kHz]	56 mV		
277	A	P,T		(50 V to 100 V] (30 kHz to 100 kHz]	90 mV		
278	A	P,T		(100 V to 200 V] (30 kHz to 100 kHz]	160 mV		
279	A	P,T		(200 V to 300 V] (50 Hz to 10 kHz]	90 mV		
280	A	P,T		(300 V to 500 V] (50 Hz to 10 kHz]	110 mV		
281	A	P,T		(500 V to 1050 V] (50 Hz to 10 kHz]	170 mV		
282	A	P,T		(200 V to 300 V] (10 kHz to 30 kHz]	140 mV		
283	A	P,T		(300 V to 500 V] (10 kHz to 30 kHz]	190 mV		
284	A	P,T		(500 V to 1050 V] (10 kHz to 30 kHz]	310 mV		
285	A	P,T		(1050 V to 2000 V] (50/60 Hz)	2.7 V	VITREC 4700 + HVL 35	
286	A	P,T		(2 kV to 5 kV] (50/60 Hz)	0.12 %		
287	A	P,T		(5 kV to 10 kV] (50/60 Hz)	0.1 %		
288	A	P,T		(10 kV to 30 kV] (50/60 Hz)	0.11 %		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישר ותדר נמוך</b>		
289	A	P,T	AC Current, Source זרם חילופין, מקור	UP to 50 $\mu$ A] (50 Hz to 5 kHz]	0.2 %	Manufacture Instructions FLUKE 8508A CP-3002	
290	A	P,T		(50 $\mu$ A to 200 $\mu$ A] (50 Hz to 5 kHz]	0.08 %		
291	A	P,T		(0.2 mA to 0.3 mA] (50 Hz to 10 kHz]	0.2 %		
292	A	P,T		(0.3 mA to 0.5 mA] (50 Hz to 10 kHz]	0.08 %		
293	A	P,T		(0.5 mA to 1 mA] (50 Hz to 10 kHz]	0.08 %		
294	A	P,T		(1 mA to 2 mA] (50 Hz to 10 kHz]	0.06 %		
295	A	P,T		(2 mA to 3 mA] (50 Hz to 10 kHz]	0.2 %		
296	A	P,T		(3 mA to 5 mA] (50 Hz to 10 kHz]	0.1 %		
297	A	P,T		(5 mA to 10 mA] (50 Hz to 10 kHz]	0.08 %		
298	A	P,T		(10 mA to 20 mA] (50 Hz to 10 kHz]	0.06 %		
299	A	P,T		(20 mA to 30 mA] (50 Hz to 10 kHz]	0.2 %		
300	A	P,T		(30 mA to 50 mA] (50 Hz to 10 kHz]	0.1 %		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישר ותדר נמוך</b>		
301	A	P,T		(50 mA to 100 mA] (50 Hz to 10 kHz]	0.08 %		
302	A	P,T		(100 mA to 200 mA] (50 Hz to 10 kHz]	0.06 %		
303	A	P,T		(0.2 A to 0.5 A] (50 Hz to 2 kHz]	0.2 %		
304	A	P,T		(0.5 A to 2 A] (50 Hz to 2 kHz]	0.12 %		
305	A	P,T		(0.2 A to 2 A] (2 kHz to 5 kHz]	0.2 %		
306	A	P,T		(0.2 A to 2 A] (5 kHz to 10 kHz]	0.5 %		
307	A	P,T		(2 A to 5 A] (50 Hz to 1 kHz]	0.2 %		
308	A	P,T		(5 A to 20 A] (50 Hz to 1 kHz]	0.12 %		
309	A	P,T		(2 A to 4 A] (1 kHz to 10 kHz]	0.4 %		
310	A	P,T		(4 A to 20 A] (50 Hz to 10 kHz]	0.35 %		
311	A	P,T	AC Current, Measuring Instruments	זרם חילופין, מכשירי מדידה UP to 50 μA] (50 Hz to 5 kHz]	0.2 %	Manufacture Instructions FLUKE 8508A	
312	A	P,T		(50 μA to 200 μA] (50 Hz to 5 kHz]	0.08 %	CP-3004	



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישר ותדר נמוך</b>		
313	A	P,T		(0.2 mA to 0.3 mA] (50 Hz to 10 kHz]	0.2 %		
314	A	P,T		(0.3 mA to 0.5 mA] (50 Hz to 10 kHz]	0.08 %		
315	A	P,T		(0.5 mA to 1 mA] (50 Hz to 10 kHz]	0.08 %		
316	A	P,T		(1 mA to 2 mA] (50 Hz to 10 kHz]	0.06 %		
317	A	P,T		(2 mA to 3 mA] (50 Hz to 10 kHz]	0.2 %		
318	A	P,T		(3 mA to 5 mA] (50 Hz to 10 kHz]	0.1 %		
319	A	P,T		(5 mA to 10 mA] (50 Hz to 10 kHz]	0.08 %		
320	A	P,T		(10 mA to 20 mA] (50 Hz to 10 kHz]	0.06 %		
321	A	P,T		(20 mA to 30 mA] (50 Hz to 10 kHz]	0.2 %		
322	A	P,T		(30 mA to 50 mA] (50 Hz to 10 kHz]	0.1 %		
323	A	P,T		(50 mA to 100 mA] (50 Hz to 10 kHz]	0.08 %		
324	A	P,T		(100 mA to 200 mA] (50 Hz to 10 kHz]	0.06 %		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישר ותדר נמוך</b>		
325	A	P,T		(0.2 A to 0.5 A] (50 Hz to 2 kHz]	0.2 %		
326	A	P,T		(0.5 A to 2 A] (50 Hz to 2 kHz]	0.12 %		
327	A	P,T		(0.2 A to 2 A] (2 kHz to 5 kHz]	0.2 %		
328	A	P,T		(0.2 A to 2 A] (5 kHz to 10 kHz]	0.5 %		
329	A	P,T		(2 A to 5 A] (50 Hz to 1 kHz]	0.2 %		
330	A	P,T		(5 A to 20 A] (50 Hz to 1 kHz]	0.12 %		
331	A	P,T		(2 A to 4 A] (1 kHz to 10 kHz]	0.4 %		
332	A	P,T		(4 A to 20 A] (50 Hz to 10 kHz]	0.35 %		
333	A	P,T		(20 A to 70 A] (50 Hz to 400 Hz]	2.1 A	Manufacture Instructions FLUKE 5522A	
334	A	P,T		(70 A to 100 A] (50 Hz to 400 Hz]	2.3 A		
335	A	P,T		(100 A to 200 A] (50 Hz to 400 Hz]	(0.44 % of rdg + 2) A		
336	A	P,T		(200 A to 500 A] (50 Hz to 400 Hz]	(0.8 % of rdg +1.2) A		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - DC &amp; Low frequency</b>					<b>כיוול – גדלים חשמליים - זרם ישר ותדר נמוך</b>		
337	A	P,T		(550 A to 1000 A) (50 Hz to 400 Hz)	(0.8 % of rdg +1.7) A		
338	A	P,T	Capacitance, Measuring Instrument קיבול, מכשירי מדידה	[1 pF to 100 pF]	0.1 % + 0.7 pF	Manufacture Instructions IET 1413 CP-3004	
339	A	P,T		(100 pF to 1 nF)	0.06 % + 0.85 pF		
340	A	P,T		(1 nF to 10 nF)	0.06 % + 1.8 pF		
341	A	P,T		(10 nF to 40 nF)	35 pF		
342	A	P,T		(40 nF to 100 nF)	73 pF		
343	A	P,T		(100 nF to 400 nF)	0.35 nF		
344	A	P,T		(400 nF to 1 μF)	0.73 nF		
345	A	P,T		(1 μF to 10 mF)	0.7 %		
346	A	P,T	(10 mF to 110 mF)	1.4 %			



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - RF Frequency, Time</b>					<b>כיוול – גדלים חשמליים - תדר גבוה, זמן</b>		
347	A	P,T	Oscilloscope Vertical Sensitivity	משקף אותות, רגישות בציר אנכי Input Impedance 1 MΩ, Frequency 1 kHz Peak to Peak Amplitude (1 mV to 130 V )	0.2 %	CP-3005	CALIBRATOR FLUKE 5522A
348	A	P,T		משקף אותות, רגישות בציר אופקי Input Impedance 50 Ω, Frequency 1 kHz Peak to Peak Amplitude (1 mV to 6.6 V )	0.3 %		
349	A	P,T	Oscilloscope Horizontal Sensitivity	משקף אותות, רגישות בציר אופקי [1 ns to 20 ms]	0.06 %	CP-3005	CALIBRATOR FLUKE 5522A
350	A	P,T		[50 ms to 5 s]	0.2 %		
351	A	P,T	Oscilloscope Bandwidth	משקף אותות, רוחב סרט 1.2 Vp-p (1 MHz – 1.1 GHz)	0.05 db	CP-3005	CALIBRATOR FLUKE 5522A
352	A	P,T		1.2 Vp-p (1.1 GHz – 4 GHz)	0.1 db		
353	A	P,T		1.2 Vp-p (4 GHz – 10 GHz)	0.2 db		
354	A	P,T		1.2 Vp-p (10 GHz – 26.5 GHz)	0.4 db		
355	A	P,T	RF Power, Measuring Instruments	הספק בתדר גבוה, מכשירי מדידה [250 mW to 2 nW] [200 Hz – 128 MHz]	12 mW/W	CP-5005	Manufacture Instructions FLUKE 96270A + RS NRP40T
356	A	P,T		[250 mW to 2 nW] (128 MHz – 4 GHz)	60 mW/W		
357	A	P,T		[100 mW to 2 nW] (4 GHz – 40 GHz)	50 mW/W		



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Electrical quantities - RF Frequency, Time</b>					<b>כיוול – גדלים חשמליים - תדר גבוה, זמן</b>		
358	A	P,T	Frequency, Measuring Instruments	תדר, מכשירי מדידה (10 kHz – 26.6 GHz)	0.05 ppm ± 5 μHz	CP-5005	Manufacture Instructions Keysight N9000B
359	A	P,T	RF Power, Sources	הספק בתדר גבוה, מקורות [200 mW to 2 nW]	150 mW/W	CP-5001	Manufacture Instructions RS NRP40T + FLUKE 96270A and Keysight N9000B
360	A	P,T		(100 kHz –3 GHz)	380 mW/W		
361	A	P,T		(3 GHz –7.5 GHz)	550 mW/W		
362	A	P,T		(7.5 GHz – 26.5 GHz)	660 mW/W		
				(26.5 GHz – 40 GHz)			



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Physical Quantities - Temperature</b>					<b>כיוול – גדלים פיזיקליים - טמפרטורה</b>		
363	A	P, T	Temperature, Infrared Thermometers	טמפרטורה, מדי טמפרטורת קרינה אינפרה אדום	(-15 °C to 0 °C)	0.5 °C	Manufacture Instructions FLUKE 4180 CP-1002  FLUKE 4181 CP-1002
364	A	P,T			(0 °C to 120 °C)	0.7 °C	
365	A	P,T			(120 °C to 200 °C)	1 °C	
366	A	P,T			(200 °C to 350 °C)	1.7 °C	
367	A	P,T			(350 °C to 500 °C)	2.1 °C	
368	A	P,T	Temperature, Temperature indicators and controllers in Furnaces, Freezers, Climatic Rooms/ Cells	טמפרטורה, בקרים ואינדיקטורים של תנורים, מקפיאים, חדרי אקלים /תאים	(-70 °C to 180 °C)	0.45 °C	Manufacturer's Specifications FLUKE 2638A CP-1003
369	A	P,T			(180 °C to 660 °C)	2.2 °C	
370	A	P,T			(660 °C to 900 °C)	2.7 °C	
371	A	P,T			(900 °C to 1200 °C)	4.1 °C	
372	A	P,T	Temperature, Uniformity test for temperature in Furnaces, Freezers, Climatic Rooms/ Cells	טמפרטורה, הומוגניות של תנורים, מקפיאים, חדרי אקלים /תאים	(-70 °C to 180 °C)	0.45 °C	Manufacturer's Specifications FLUKE 2638A CP-1003
373	A	P,T			(180 °C to 660 °C)	2.2 °C	
374	A	P,T			(660 °C to 900 °C)	2.7 °C	
375	A	P,T			(660 °C to 1200 °C)	4.1 °C	
376	A	P,T	Temperature, Thermometer with RTD sensor	טמפרטורה, מדי טמפרטורה עם רגש התנגדות	(-95 °C to 150 °C)	0.035 °C	ASTM E1137 Manufacturer instructions FLUKE 1502A+5618B CP-1001  FLUKE 9144A  TC "S"
377	A	P,T			(150 °C to 420 °C)	0.09 °C	
378	A	P,T			(420 °C to 660 °C)	0.15 °C	
379	A	P			(660 °C to 900 °C)	1.8 °C	



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Physical Quantities - Temperature</b>					<b>כיוול – גדלים פיזיקליים - טמפרטורה</b>		
380	A	P,T	Temperature, טמפרטורה,	(-95 °C to 150 °C)	0.08 °C	Euramet cg8	
381	A	P,T	Thermometer with TC sensor מדי טמפרטורה עם רגש צמד תרמי	(150 °C to 420 °C)	0.09 °C	Manufacturer instructions FLUKE 1502A+5626	
382	A	P,T		(420 °C to 660 °C)	0.15 °C	CP-1001	
383	A	P		(660 °C to 900 °C)	1.8 °C	TC "S"	
384	A	P		(900 °C to 1200 °C)	2.7 °C	TC "S"	
385	A	P,T	Temperature, Temperature indicators and simulators for thermocouples type T טמפרטורה, מדי ומדמי טמפרטורה עבור צמדים תרמים מסוג T	[-150 °C to 400 °C]	0.17 °C	FLUKE 5522A	Calibration by means of electrical simulation Internal cold junction compensation "on".
386	A	P,T	Temperature, Temperature indicators and simulators for thermocouples type J טמפרטורה, מדי ומדמי טמפרטורה עבור צמדים תרמים מסוג J	[-100 °C to 1200 °C]	0.17 °C	FLUKE 5522A	Calibration by means of electrical simulation Internal cold junction compensation "on".
387	A	P,T	Temperature, Temperature indicators and simulators for thermocouples type K טמפרטורה, מדי ומדמי טמפרטורה עבור צמדים תרמים מסוג K	[-100 °C to 1000 °C]	0.18 °C	FLUKE 5522A	Calibration by means of electrical simulation
388	A	P,T		(1000 °C to 1372 °C)	0.25 °C		Internal cold junction compensation "on".
389	A	P,T	Temperature, Temperature indicators and simulators for thermocouples type E טמפרטורה, מדי ומדמי טמפרטורה עבור צמדים תרמים מסוג E	[-100 °C to 1000 °C]	0.16 °C	FLUKE 5522A	Calibration by means of electrical simulation Internal cold junction compensation "on".
390	A	P,T	Temperature, Temperature indicators and simulators for thermocouples type N טמפרטורה, מדי ומדמי טמפרטורה עבור צמדים תרמים מסוג N	[-100 °C to 1300 °C]	0.19 °C	FLUKE 5522A	Calibration by means of electrical simulation Internal cold junction compensation "on".



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Physical Quantities - Temperature</b>					<b>כיוול – גדלים פיזיקליים - טמפרטורה</b>		
391	A	P,T	Temperature, Temperature indicators and simulators for thermocouples type B	טמפרטורה, מדי ומדמי טמפרטורה עבור צמדים תרמים מסוג B	[600 °C to 1820 °C]	0.27 °C	FLUKE 5522A  Calibration by means of electrical simulation Internal cold junction compensation "on".
392	A	P,T	Temperature, Temperature indicators and simulators for thermocouples type R	טמפרטורה, מדי ומדמי טמפרטורה עבור צמדים תרמים מסוג R	[0 °C to 1700 °C]	0.35 °C	FLUKE 5522A  Calibration by means of electrical simulation Internal cold junction compensation "on".
393	A	P,T	Temperature, Temperature indicators and simulators for thermocouples type S	טמפרטורה, מדי ומדמי טמפרטורה עבור צמדים תרמים מסוג S	[0 °C to 1700 °C]	0.30 °C	FLUKE 5522A  Calibration by means of electrical simulation Internal cold junction compensation "on".



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration – Physical Quantities - Humidity</b>					<b>כיוול – גדלים פיזיקליים - לחות</b>		
394	A	P	Relative Humidity, Temperature / Humidity Probes לחות יחסית, רגשי לחות / טמפרטורה	[22 °C to 24 °C] [4 %rh to 95 %rh]	1.2 %RH	Rotronic HC-IC102 (2003) CP-2001	
395	A	P		[10 °C to 25 °C] [10 %rh to 95 %rh]	1.6 %RH	Rotronic HCA2-102 CP-2001	
396	A	P		[25 °C to 70 °C] [10 %rh to 50 %rh]	1.6 %RH	Rotronic HCA2-102 CP-2001	
397	A	P		[25 °C to 70 °C] (50 %rh to 95 %rh)	2.0 %RH	Rotronic HCA2-102 CP-2001	
398	A	T		[10 °C to 70 °C] [10 %rh to 50 %rh]	2.2 %RH	Rotronic HC-IC102 CP-2001	
399	A	T		[10 °C to 70 °C] (50 %rh to 95 %rh)	2.5 %RH	Rotronic HC-IC102 CP-2001	
400	A	P,T		Relative Humidity, Temperature / Humidity Chambers לחות יחסית, תאי לחות / טמפרטורה	[10 °C to 70 °C] [10 %rh to 50 %rh]	2.4 %RH	Rotronic HC-IC102 CP-2002
401	A	P,T	[10 °C to 70 °C] (50 %rh to 95 %rh)		2.7 %RH	Rotronic HC-IC102 CP-2002	



Item	Scope Type	Site	Measurand Instrument, Gauge	Range [Including margins] (Does not include margins)	Uncertainty of Measurement <sup>1</sup>	Reference Documents	Remarks
<b>Calibration - Physical Quantities - Pressure</b>					<b>כיוול – גדלים פיזיקליים - לחץ</b>		
402	A	P, T	Pressure, Pneumatic, differential, gauge Pressure gauges and transducers	לחץ, לחץ יחסי פנאומטי, לחץ הפרשי. מדי לחץ ומתמרי לחץ	(-2000 Pa to 2000 Pa)	0.6 Pa/kPa O.R. + 0.03 Pa	Manufacturer Instructions EURAMET/cg-17 OIML-R101  Reference Pressure Gauge. Calibration can be given in other units as required. 1 Pa/kPa = 0.1% O.R. = Of Reading
403	A	P, T	Pressure, Pneumatic, gauge	לחץ, לחץ יחסי פנאומטי	(-95 kPa to 0 kPa]	15 Pa	
404	A	P, T	Pressure gauges and transducers	מדי לחץ ומתמרי לחץ	(0 kPa to 100 kPa]	6 Pa	
405	A	P, T			(100 kPa to 700 kPa]	42 Pa	
406	A	P, T			(700 kPa to 2 MPa]	134 Pa	
407	A	P, T	Pressure, Hydraulic, gauge	לחץ, לחץ יחסי הידראולי	(0 kPa to 2 MPa]	150 Pa	
408	A	P, T	Pressure gauges and transducers	מדי לחץ ומתמרי לחץ	(2 MPa to 7 MPa]	429 Pa	
409	A	P, T			(7 MPa to 20 MPa]	1.2 kPa	
410	A	P, T			(20 MPa to 70 MPa)	4.8 kPa	
411	A	P, T	Pressure, Pneumatic, absolute Pressure gauges and transducers	לחץ, לחץ אבסולוטי פנאומטי מדי לחץ ומתמרי לחץ	(5 kPa a to 2 MPa a)	670 Pa a	

<sup>1)</sup> 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 %.