

**Meter Test Report No. : 5/5/2016**

Meter Type : KM34Z128

Voltage : 120 V

Date: 5/5/2016

Class: C

Firmware: 1.0.0.0

Frequency : 60 Hz

Manufact. NXP

Current : 15(100) A

Mtr. Const: 2000

Tested by : mienkina

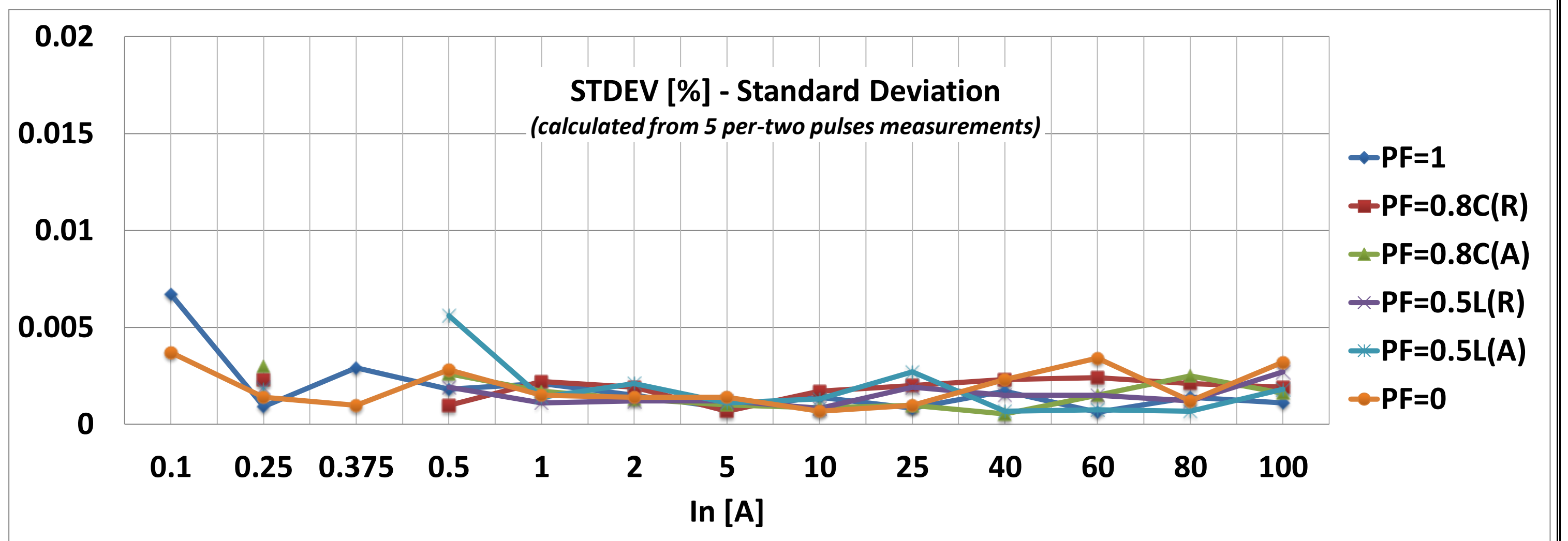
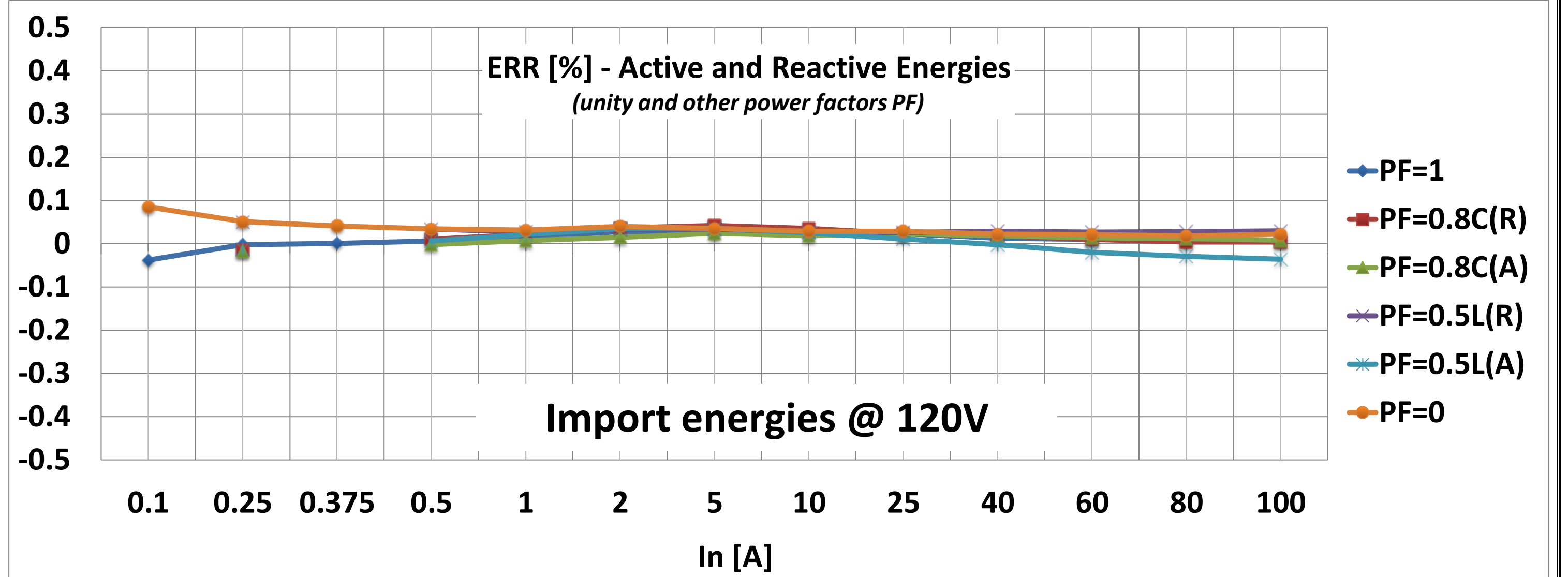
Measurement	Iref(%)	Iref(A)	U(V)	PF	Freq	ERR (%)	STDEV [%]
2%In, 100%Un, 1L (0°), active	2	0.1	120	PF=1	60	-0.038	0.0067
2%In, 100%Un, 0L (90°), reactive	2	0.1	120	PF=0	60	0.085	0.0037
5%In, 100%Un, 1L (0°), active	5	0.25	120	PF=1	60	-0.002	0.00091
5%In, 100%Un, 0L (90°), reactive	5	0.25	120	PF=0	60	0.051	0.0014
5%In, 100%Un, 0.5L (60°), active	5	0.25	120	PF=0.5L(A)	60	-0.012	0.0018
5%In, 100%Un, 0.5L (60°), reactive	5	0.25	120	PF=0.5L(R)	60	0.051	0.0019
5%In, 100%Un, 0.8C (323°), active	5	0.25	120	PF=0.8C(A)	60	-0.018	0.003
5%In, 100%Un, 0.8C (323°), reactive	5	0.25	120	PF=0.8C(R)	60	-0.015	0.0023
7.5%In, 100%Un, 1L (0°), active	7.5	0.375	120	PF=1	60	0.001	0.0029
7.5%In, 100%Un, 0L (90°), reactive	7.5	0.375	120	PF=0	60	0.041	0.00097
10%In, 100%Un, 1L (0°), active	10	0.5	120	PF=1	60	0.006	0.0018
10%In, 100%Un, 0L (90°), reactive	10	0.5	120	PF=0	60	0.034	0.0028
10%In, 100%Un, 0.5L (60°), active	10	0.5	120	PF=0.5L(A)	60	0.006	0.0056
10%In, 100%Un, 0.5L (60°), reactive	10	0.5	120	PF=0.5L(R)	60	0.034	0.0019
10%In, 100%Un, 0.8C (323°), active	10	0.5	120	PF=0.8C(A)	60	-0.002	0.0026
10%In, 100%Un, 0.8C (323°), reactive	10	0.5	120	PF=0.8C(R)	60	0.01	0.00097
20%In, 100%Un, 1L (0°), active	20	1	120	PF=1	60	0.015	0.0021
20%In, 100%Un, 0L (90°), reactive	20	1	120	PF=0	60	0.031	0.0015
20%In, 100%Un, 0.5L (60°), active	20	1	120	PF=0.5L(A)	60	0.021	0.0014
20%In, 100%Un, 0.5L (60°), reactive	20	1	120	PF=0.5L(R)	60	0.027	0.0011
20%In, 100%Un, 0.8C (323°), active	20	1	120	PF=0.8C(A)	60	0.007	0.0017
20%In, 100%Un, 0.8C (323°), reactive	20	1	120	PF=0.8C(R)	60	0.022	0.0022
40%In, 100%Un, 1L (0°), active	40	2	120	PF=1	60	0.028	0.0015
40%In, 100%Un, 0L (90°), reactive	40	2	120	PF=0	60	0.04	0.0014
40%In, 100%Un, 0.5L (60°), active	40	2	120	PF=0.5L(A)	60	0.035	0.0021
40%In, 100%Un, 0.5L (60°), reactive	40	2	120	PF=0.5L(R)	60	0.033	0.0012
40%In, 100%Un, 0.8C (323°), active	40	2	120	PF=0.8C(A)	60	0.015	0.0013
40%In, 100%Un, 0.8C (323°), reactive	40	2	120	PF=0.8C(R)	60	0.036	0.0019
100%In, 100%Un, 1L (0°), active	100	5	120	PF=1	60	0.025	0.00082
100%In, 100%Un, 0L (90°), reactive	100	5	120	PF=0	60	0.035	0.0014
100%In, 100%Un, 0.5L (60°), active	100	5	120	PF=0.5L(A)	60	0.036	0.0011
100%In, 100%Un, 0.5L (60°), reactive	100	5	120	PF=0.5L(R)	60	0.034	0.0012
100%In, 100%Un, 0.8C (323°), active	100	5	120	PF=0.8C(A)	60	0.024	0.001
100%In, 100%Un, 0.8C (323°), reactive	100	5	120	PF=0.8C(R)	60	0.042	0.00067
200%In, 100%Un, 1L (0°), active	200	10	120	PF=1	60	0.023	0.0014
200%In, 100%Un, 0L (90°), reactive	200	10	120	PF=0	60	0.029	0.00067
200%In, 100%Un, 0.5L (60°), active	200	10	120	PF=0.5L(A)	60	0.025	0.0013
200%In, 100%Un, 0.5L (60°), reactive	200	10	120	PF=0.5L(R)	60	0.027	0.00082
200%In, 100%Un, 0.8C (323°), active	200	10	120	PF=0.8C(A)	60	0.018	0.00085
200%In, 100%Un, 0.8C (323°), reactive	200	10	120	PF=0.8C(R)	60	0.035	0.0017
500%In, 100%Un, 1L (0°), active	500	25	120	PF=1	60	0.023	0.00082
500%In, 100%Un, 0L (90°), reactive	500	25	120	PF=0	60	0.029	0.00097
500%In, 100%Un, 0.5L (60°), active	500	25	120	PF=0.5L(A)	60	0.011	0.0027
500%In, 100%Un, 0.5L (60°), reactive	500	25	120	PF=0.5L(R)	60	0.026	0.0019
500%In, 100%Un, 0.8C (323°), active	500	25	120	PF=0.8C(A)	60	0.023	0.00097
500%In, 100%Un, 0.8C (323°), reactive	500	25	120	PF=0.8C(R)	60	0.023	0.002
800%In, 100%Un, 1L (0°), active	800	40	120	PF=1	60	0.013	0.0017
800%In, 100%Un, 0L (90°), reactive	800	40	120	PF=0	60	0.022	0.0023
800%In, 100%Un, 0.5L (60°), active	800	40	120	PF=0.5L(A)	60	-0.002	0.00067
800%In, 100%Un, 0.5L (60°), reactive	800	40	120	PF=0.5L(R)	60	0.029	0.0015
800%In, 100%Un, 0.8C (323°), active	800	40	120	PF=0.8C(A)	60	0.018	0.00053
800%In, 100%Un, 0.8C (323°), reactive	800	40	120	PF=0.8C(R)	60	0.018	0.0023
1200%In, 100%Un, 1L (0°), active	1200	60	120	PF=1	60	0.01	0.00062
1200%In, 100%Un, 0L (90°), reactive	1200	60	120	PF=0	60	0.021	0.0034
1200%In, 100%Un, 0.5L (60°), active	1200	60	120	PF=0.5L(A)	60	-0.02	0.00075
1200%In, 100%Un, 0.5L (60°), reactive	1200	60	120	PF=0.5L(R)	60	0.027	0.0015
1200%In, 100%Un, 0.8C (323°), active	1200	60	120	PF=0.8C(A)	60	0.014	0.0015
1200%In, 100%Un, 0.8C (323°), reactive	1200	60	120	PF=0.8C(R)	60	0.01	0.0024
1600%In, 100%Un, 1L (0°), active	1600	80	120	PF=1	60	0.007	0.0014
1600%In, 100%Un, 0L (90°), reactive	1600	80	120	PF=0	60	0.018	0.0012
1600%In, 100%Un, 0.5L (60°), active	1600	80	120	PF=0.5L(A)	60	-0.029	0.00067
1600%In, 100%Un, 0.5L (60°), reactive	1600	80	120	PF=0.5L(R)	60	0.028	0.0012
1600%In, 100%Un, 0.8C (323°), active	1600	80	120	PF=0.8C(A)	60	0.012	0.0025
1600%In, 100%Un, 0.8C (323°), reactive	1600	80	120	PF=0.8C(R)	60	0.004	0.0021
2000%In, 100%Un, 1L (0°), active	2000	100	120	PF=1	60	0.008	0.0011
2000%In, 100%Un, 0L (90°), reactive	2000	100	120	PF=0	60	0.022	0.0032
2000%In, 100%Un, 0.5L (60°), active	2000	100	120	PF=0.5L(A)	60	-0.036	0.0018
2000%In, 100%Un, 0.5L (60°), reactive	2000	100	120	PF=0.5L(R)	60	0.03	0.0027
2000%In, 100%Un, 0.8C (323°), active	2000	100	120	PF=0.8C(A)	60	0.008	0.0016
2000%In, 100%Un, 0.8C (323°), reactive	2000	100	120	PF=0.8C(R)	60	0.004	0.0019

Measurement	(All)
Freq	60

Measurement	(All)
Freq	60

Sum of ERR (%)	Column Labels						Grand Total
Row Labels	PF=1	PF=0.8C(R)	PF=0.8C(A)	PF=0.5L(R)	PF=0.5L(A)	PF=0	Grand Total
0.1	0.1	-0.038				0.085	0.047
0.25	0.25	-0.002	-0.015	-0.018	0.051	-0.012	0.055
0.375	0.375	0.001				0.041	0.042
0.5	0.5	0.006	0.01	-0.002	0.034	0.006	0.088
1	1	0.015	0.022	0.007	0.027	0.021	0.123
2	2	0.028	0.036	0.015	0.033	0.035	0.187
5	5	0.025	0.042	0.024	0.034	0.036	0.196
10	10	0.023	0.035	0.018	0.027	0.025	0.157
25	25	0.023	0.023	0.023	0.026	0.011	0.135
40	40	0.013	0.018	0.018	0.029	-0.002	0.098
60	60	0.01	0.01	0.014	0.027	-0.02	0.062
80	80	0.007	0.004	0.012	0.028	-0.029	0.04
100	100	0.008	0.004	0.008	0.03	-0.036	0.036
<b>Grand Total</b>		<b>0.119</b>	<b>0.189</b>	<b>0.119</b>	<b>0.346</b>	<b>0.035</b>	<b>0.458</b>

Sum of STDEV [%]	Column Labels						Grand Total	
Row Labels	PF=1	PF=0.8C(R)	PF=0.8C(A)	PF=0.5L(R)	PF=0.5L(A)	PF=0	Grand Total	
0.1		0.0067					0.0037	0.0104
0.25		0.00091	0.0023	0.003	0.0019	0.0018	0.0014	0.01131
0.375		0.0029					0.00097	0.00387
0.5		0.0018	0.00097	0.0026	0.0019	0.0056	0.0028	0.01567
1		0.0021	0.0022	0.0017	0.0011	0.0014	0.0015	0.01
2		0.0015	0.0019	0.0013	0.0012	0.0021	0.0014	0.0094
5		0.00082	0.00067	0.001	0.0012	0.0011	0.0014	0.00619
10		0.0014	0.0017	0.00085	0.00082	0.0013	0.00067	0.00674
25		0.00082	0.002	0.00097	0.0019	0.0027	0.00097	0.00936
40		0.0017	0.0023	0.00053	0.0015	0.00067	0.0023	0.009
60		0.00062	0.0024	0.00015	0.0015	0.00075	0.0034	0.01017
80		0.0014	0.0021	0.0025	0.0012	0.00067	0.0012	0.00907
100		0.0011	0.0019	0.0016	0.0027	0.0018	0.0032	0.0123
<b>Grand Total</b>		<b>0.02377</b>	<b>0.02044</b>	<b>0.01755</b>	<b>0.01692</b>	<b>0.01989</b>	<b>0.02491</b>	<b>0.12348</b>





**Meter Test Report No. : 5/5/2016**

Meter Type : KM34Z128

Voltage : 120 V

Date: 5/5/2016

Class: C

Firmware: 1.0.0.0

Frequency : 60 Hz

Manufact. NXP

Tested by : mienkina

Current : 15(100) A

Mtr. Const: 2000

Measurement	Iref(%)	Iref(A)	U(V)	PF	Freq	ERR (%)	STDEV [%]
2%In, 100%Un, 1L (180°), active exported	2	0.1	120	PF=1	60	0.075	0.0027
2%In, 100%Un, 0L (270°), reactive exported	2	0.1	120	PF=0	60	-0.044	0.0054
5%In, 100%Un, 1L (180°), active exported	5	0.25	120	PF=1	60		
5%In, 100%Un, 0L (270°), reactive exported	5	0.25	120	PF=0	60	-0.009	0.0015
5%In, 100%Un, 0.5L (240°), active export	5	0.25	120	PF=0.5L(A)	60	0.078	0.0034
5%In, 100%Un, 0.5L (210°), reactive export	5	0.25	120	PF=0.5L(R)	60	-0.055	0.0063
5%In, 100%Un, 0.8C (143°), active export	5	0.25	120	PF=0.8C(A)	60	0.047	0.0028
5%In, 100%Un, 0.8C (307°), reactive export	5	0.25	120	PF=0.8C(R)	60	0	0.003
10%In, 100%Un, 1L (180°), active exported	10	0.5	120	PF=1	60	0.031	0.0015
10%In, 100%Un, 0L (270°), reactive exported	10	0.5	120	PF=0	60	0.005	0.0023
10%In, 100%Un, 0.5L (240°), active export	10	0.5	120	PF=0.5L(A)	60	0.061	0.0018
10%In, 100%Un, 0.5L (210°), reactive export	10	0.5	120	PF=0.5L(R)	60	-0.023	0.0018
10%In, 100%Un, 0.8C (143°), active export	10	0.5	120	PF=0.8C(A)	60	0.03	0.0027
10%In, 100%Un, 0.8C (307°), reactive export	10	0.5	120	PF=0.8C(R)	60	0.01	0.0012
20%In, 100%Un, 1L (180°), active exported	20	1	120	PF=1	60	0.026	0.0011
20%In, 100%Un, 0L (270°), reactive exported	20	1	120	PF=0	60	0.018	0.00053
20%In, 100%Un, 0.5L (240°), active export	20	1	120	PF=0.5L(A)	60	0.046	0.0021
20%In, 100%Un, 0.5L (210°), reactive export	20	1	120	PF=0.5L(R)	60	-0.001	0.0012
20%In, 100%Un, 0.8C (143°), active export	20	1	120	PF=0.8C(A)	60	0.024	0.0024
20%In, 100%Un, 0.8C (307°), reactive export	20	1	120	PF=0.8C(R)	60	0.022	0.00041
40%In, 100%Un, 1L (180°), active exported	40	2	120	PF=1	60	0.036	0.0012
40%In, 100%Un, 0L (270°), reactive exported	40	2	120	PF=0	60	0.034	0.0011
40%In, 100%Un, 0.5L (240°), active export	40	2	120	PF=0.5L(A)	60	0.053	0.0027
40%In, 100%Un, 0.5L (210°), reactive export	40	2	120	PF=0.5L(R)	60	0.018	0.0023
40%In, 100%Un, 0.8C (143°), active export	40	2	120	PF=0.8C(A)	60	0.032	0.0019
40%In, 100%Un, 0.8C (307°), reactive export	40	2	120	PF=0.8C(R)	60	0.039	0.0014
100%In, 100%Un, 1L (180°), active exported	100	5	120	PF=1	60	0.036	0.00085
100%In, 100%Un, 0L (270°), reactive exported	100	5	120	PF=0	60	0.035	0.0014
100%In, 100%Un, 0.5L (240°), active export	100	5	120	PF=0.5L(A)	60	0.047	0.00097
100%In, 100%Un, 0.5L (210°), reactive export	100	5	120	PF=0.5L(R)	60	0.023	0.0018
100%In, 100%Un, 0.8C (143°), active export	100	5	120	PF=0.8C(A)	60	0.034	0.00082
100%In, 100%Un, 0.8C (307°), reactive export	100	5	120	PF=0.8C(R)	60	0.04	0.0019
200%In, 100%Un, 1L (180°), active exported	200	10	120	PF=1	60	0.032	0.002
200%In, 100%Un, 0L (270°), reactive exported	200	10	120	PF=0	60	0.034	0.0018
200%In, 100%Un, 0.5L (240°), active export	200	10	120	PF=0.5L(A)	60	0.042	0.00091
200%In, 100%Un, 0.5L (210°), reactive export	200	10	120	PF=0.5L(R)	60	0.025	0.00062
200%In, 100%Un, 0.8C (143°), active export	200	10	120	PF=0.8C(A)	60	0.032	0.0012
200%In, 100%Un, 0.8C (307°), reactive export	200	10	120	PF=0.8C(R)	60	0.038	0.0015
500%In, 100%Un, 1L (180°), active exported	500	25	120	PF=1	60	0.032	0.0028
500%In, 100%Un, 0L (270°), reactive exported	500	25	120	PF=0	60	0.029	0.0014
500%In, 100%Un, 0.5L (240°), active export	500	25	120	PF=0.5L(A)	60	0.033	0.0029
500%In, 100%Un, 0.5L (210°), reactive export	500	25	120	PF=0.5L(R)	60	0.034	0.00097
500%In, 100%Un, 0.8C (143°), active export	500	25	120	PF=0.8C(A)	60	0.032	0.0016
500%In, 100%Un, 0.8C (307°), reactive export	500	25	120	PF=0.8C(R)	60	0.026	0.0019
800%In, 100%Un, 1L (180°), active exported	800	40	120	PF=1	60	0.028	0.0014
800%In, 100%Un, 0L (270°), reactive exported	800	40	120	PF=0	60	0.026	0.0021
800%In, 100%Un, 0.5L (240°), active export	800	40	120	PF=0.5L(A)	60	0.027	0.00053
800%In, 100%Un, 0.5L (210°), reactive export	800	40	120	PF=0.5L(R)	60	0.039	0.0021
800%In, 100%Un, 0.8C (143°), active export	800	40	120	PF=0.8C(A)	60	0.037	0.00041
800%In, 100%Un, 0.8C (307°), reactive export	800	40	120	PF=0.8C(R)	60	0.021	0.0011
1200%In, 100%Un, 1L (180°), active exported	1200	60	120	PF=1	60	0.025	0.00097
1200%In, 100%Un, 0L (270°), reactive exported	1200	60	120	PF=0	60	0.022	0.0018
1200%In, 100%Un, 0.5L (240°), active export	1200	60	120	PF=0.5L(A)	60	0.019	0.00082
1200%In, 100%Un, 0.5L (210°), reactive export	1200	60	120	PF=0.5L(R)	60	0.048	0.0021
1200%In, 100%Un, 0.8C (143°), active export	1200	60	120	PF=0.8C(A)	60	0.039	0.0015
1200%In, 100%Un, 0.8C (307°), reactive export	1200	60	120	PF=0.8C(R)	60	0.011	0.0023
1600%In, 100%Un, 1L (180°), active exported	1600	80	120	PF=1	60	0.027	0.0019
1600%In, 100%Un, 0L (270°), reactive exported	1600	80	120	PF=0	60	0.024	0.0015
1600%In, 100%Un, 0.5L (240°), active export	1600	80	120	PF=0.5L(A)	60	0.015	0.00062
1600%In, 100%Un, 0.5L (210°), reactive export	1600	80	120	PF=0.5L(R)	60	0.047	0.00097
1600%In, 100%Un, 0.8C (143°), active export	1600	80	120	PF=0.8C(A)	60	0.043	0.0018
1600%In, 100%Un, 0.8C (307°), reactive export	1600	80	120	PF=0.8C(R)	60	0.01	0.0022
2000%In, 100%Un, 1L (180°), active exported	2000	100	120	PF=1	60	0.03	0.0023
2000%In, 100%Un, 0L (270°), reactive exported	2000	100	120	PF=0	60	0.022	0.0011
2000%In, 100%Un, 0.5L (240°), active export	2000	100	120	PF=0.5L(A)	60	0.018	0.00097
2000%In, 100%Un, 0.5L (210°), reactive export	2000	100	120	PF=0.5L(R)	60	0.05	0.0011
2000%In, 100%Un, 0.8C (143°), active export	2000	100	120	PF=0.8C(A)	60	0.047	0.0021
2000%In, 100%Un, 0.8C (307°), reactive export	2000	100	120	PF=0.8C(R)	60	0.03	0.0027

Measurement	(All)
Freq	(All)

Sum of ERR (%)	Column Labels	PF=1	PF=0.8C(R)	PF=0.8C(A)	PF=0.5L(R)	PF=0.5L(A)	PF=0	Grand Total
0.1			0.075					0.031
0.25			0	0.047	-0.055	0.078	-0.009	0.061
0.5		0.031	0.01	0.03	-0.023	0.061	0.005	0.114
1		0.026	0.022	0.024	-0.001	0.046	0.018	0.135
2		0.036	0.039	0.032	0.018	0.053	0.034	0.212
5		0.036	0.04	0.034	0.023	0.047	0.035	0.215
10		0.032	0.038	0.032	0.025	0.042	0.034	0.203
25		0.032	0.026	0.032	0.034	0.033	0.029	0.186
40		0.028	0.021	0.037	0.039	0.027	0.026	0.178
60		0.025	0.011	0.039	0.048	0.019	0.022	0.164
80		0.027	0.01	0.043	0.047	0.015	0.024	0.166
100		0.03	0.03	0.047	0.05	0.018	0.022	0.197
<b>Grand Total</b>		<b>0.378</b>	<b>0.247</b>	<b>0.397</b>	<b>0.205</b>	<b>0.439</b>	<b>0.196</b>	<b>1.862</b>

Measurement	(All)
Freq	(All)

Sum of STDEV [%]	Column Labels	PF=1	PF=0.8C(R)	PF=0.8C(A)	PF=0.5L(R)	PF=0.5L(A)	PF=0	Grand Total
0.1			0.0027				0.0054	0.0081
0.25			0.003	0.0028	0.0063	0.0034	0.0015	0.017
0.5		0.0015	0.0012	0.0027	0.0018	0.0018	0.0023	0.0113
1		0.0011	0.00041	0.0024	0.0012	0.0021	0.00053	0.00774
2		0.0012	0.0014	0.0019	0.0023	0.0027	0.0011	0.0106
5		0.00085	0.0019	0.00082	0.0018	0.00097	0.0014	0.00774
10		0.002	0.0015	0.0012	0.00062	0.00091	0.0018	0.00803
25		0.0028	0.0019	0.0016	0.00097	0.00097	0.0014	0.01157
40		0.0014	0.0011	0.00041	0.0021	0.00053	0.0021	0.00764
60		0.00097	0.0023	0.0015	0.0021	0.00082	0.0018	0.00949
80		0.0019	0.0022	0.0018	0.00097	0.00062	0.0015	0.00899
100		0.0023	0.0027	0.0021	0.0011	0.00097	0.0011	0.01027
<b>Grand Total</b>		<b>0.01872</b>	<b>0.01961</b>	<b>0.01923</b>	<b>0.02126</b>	<b>0.01772</b>	<b>0.02193</b>	<b>0.11847</b>

