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	CALIBRATION REPORT	Kalibrierschein Nr. <i>Calibration Report No.</i>			

Wir garantieren, dass das unten angegebene Messgerät diejenigen vom Hersteller publizierten Spezifikationen, die geprüft wurden, einhält und mit Messgeräten geprüft wurde, deren Genauigkeit entweder auf nationale Normale rückführbar ist oder durch Ableitung aus Kalibriertechniken erreicht wurde.

We certify, that the instrument described below meets those manufacturer's specifications, which have been calibrated and that the measurements have been performed with instruments and standards whose accuracy are traceable either to national standards or have been derived by approved ratio techniques.

Name des Prüflabors <i>Name of laboratory</i>	Prüflabor der ZERA GmbH	Anschrift des Prüflabors <i>Address of laboratory</i>	Humboldtstr. 2a D-53639 Königswinter
Gerätebezeichnung <i>Device description</i>	Seriennummer <i>Serial number</i>	Hersteller <i>Manufacturer</i>	ZERA GmbH
MT551	0500xxxxx	Herstellungsdatum <i>Date of production</i>	2024
Bemerkungen <i>Remarks</i>			
Referenzmessgerät(e) <i>Reference meas. device(s)</i>	ZERA MT3000 SNr.12702 D-K-15103-01-00 8120 2023-11		

Stempel <i>Seal</i> 	Messprotokoll ausgestellt am <i>Measurement report issued</i>	Datum <i>Date</i>	202x-xx-xx
	Nächste Messung empfohlen am <i>recommend measurement</i>	Datum <i>Date</i>	20xx-xx
Messung durchgeführt <i>Measurement performed by</i>	Name <i>name</i>	Unterschrift <i>signature</i> i.A.	

Gerät / Device: MT551 Seriennummer / Serialnumber: 0500xxxxx

Frequenz: frequency:		45Hz		Messart: measure mode:			4Wa		
Spannung		Strom		Messung im Leerlauf Output without load					
Bereich	Messwert	Bereich	Messwert						
voltage		current		L1U		L2U		L3U	
range	value	range	value	in V			in A		
420	420	5	5	419,9741	419,9900	419,9780	4,9998	5,0001	5,0001

Frequenz: frequency:		53Hz		Messart: measure mode:			4Wa		
Spannung		Strom		Messung im Leerlauf Output without load					
Bereich	Messwert	Bereich	Messwert						
voltage		current		L1U		L2U		L3U	
range	value	range	value	in V			in A		
60	40	5	5	40,0013	40,0013	40,0013	5,0000	5,0003	5,0003
60	72	5	5	71,9980	71,9987	71,9968	5,0000	5,0002	5,0002
125	72,1	5	5	72,1002	72,0945	72,0960	4,9999	5,0000	5,0000
125	150	5	5	149,9992	149,9972	149,9924	5,0000	5,0001	5,0001
250	150,1	5	5	150,0945	150,0013	150,0791	4,9998	5,0001	5,0001
250	240	0,02	0,004	239,9995	239,9999	239,9940	0,0040	0,0040	0,0040
250	240	0,02	0,024	239,9871	239,9882	239,9935	0,0240	0,0240	0,0240
250	240	0,05	0,025	239,9874	239,9893	239,9932	0,0250	0,0250	0,0250
250	240	0,05	0,060	239,9851	239,9885	240,0006	0,0600	0,0600	0,0600
250	240	0,1	0,061	239,9937	239,9973	240,0001	0,0610	0,0610	0,0610
250	240	0,1	0,120	239,9919	239,9968	239,9904	0,1200	0,1200	0,1200
250	240	0,2	0,121	239,9932	239,9973	239,9915	0,1210	0,1210	0,1210
250	240	0,2	0,240	239,9918	239,9965	239,9907	0,2400	0,2400	0,2400
250	240	0,5	0,241	239,9915	239,9961	239,9901	0,2410	0,2410	0,2410
250	240	0,5	0,600	239,9891	239,9942	239,9897	0,6000	0,6000	0,6000
250	240	1	0,601	239,9974	239,9944	239,9987	0,6009	0,6010	0,6010
250	240	1	1,200	239,9944	240,0010	239,9887	1,1999	1,1999	1,1999
250	240	2	1,210	239,9848	240,0014	239,9904	1,2097	1,2099	1,2099
250	240	2	2,400	239,9901	239,9885	239,9989	2,3997	2,3998	2,3998
250	240	5	2,410	239,9967	240,0005	239,9905	2,4097	2,4099	2,4099
250	240	5	6,000	239,9836	239,9962	240,0009	5,9996	5,9999	5,9999
250	240	10	6,010	239,9956	239,9943	239,9867	6,0105	6,0102	6,0102
250	240	10	12,000	239,9944	239,9944	239,9958	11,9984	12,0002	12,0002

Gerät / Device: MT551 Seriennummer / Serialnumber: 0500xxxxx

Frequenz: frequency:		53Hz	Messart: measure mode:		4Wa				
Spannung		Strom		Messung im Leerlauf Output without load					
Bereich	Messwert	Bereich	Messwert						
<i>voltage</i>		<i>current</i>		<i>L1U</i>	<i>L2U</i>	<i>L3U</i>	<i>L1I</i>	<i>L2I</i>	<i>L3I</i>
<i>range</i>	<i>value</i>	<i>range</i>	<i>value</i>	in V			in A		
in V		in A		in V			in A		
250	240	20	12,1	239,9875	240,0015	239,9870	12,1006	12,1006	12,1006
250	240	20	24	239,9902	239,9903	239,9978	23,9988	23,9996	23,9996
250	240	50	24,1	239,9983	239,9981	239,9870	24,0985	24,0975	24,0975
250	240	50	60	239,9883	240,0036	239,9975	59,9996	60,0016	60,0016
250	240	100	60,1	239,9958	240,0032	239,9958	60,0981	60,1074	60,1074
250	240	100	120	239,9797	240,0075	239,9966	120,0039	120,0036	120,0036
250	300	5	5	299,9826	299,9915	299,9915	5,0000	5,0000	5,0000
420	300,1	5	5	300,0872	300,0906	300,0915	5,0000	5,0000	5,0000
420	500	5	5	499,9429	499,9907	499,9706	4,9999	5,0000	5,0000

Frequenz: frequency:		65Hz	Messart: measure mode:		4Wa				
Spannung		Strom		Messung im Leerlauf Output without load					
Bereich	Messwert	Bereich	Messwert						
<i>voltage</i>		<i>current</i>		<i>L1U</i>	<i>L2U</i>	<i>L3U</i>	<i>L1I</i>	<i>L2I</i>	<i>L3I</i>
<i>range</i>	<i>value</i>	<i>range</i>	<i>value</i>	in V			in A		
in V		in A		in V			in A		
420	420	5	5	419,9982	420,0043	419,9851	5,0002	4,9999	4,9999

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Gerät / Device: MT551 Seriennummer / Serialnumber: 0500xxxxx

Frequenz: frequency:		45Hz		Messart: measure mode:		4Wa													
Spannung		Strom		Ausgangsstrom belastet Output current with load															
Bereich	Messwert	Bereich	Messwert																
voltage		current		L1U		L2U		L3U		L1I		L2I		L3I					
range		value		range		value		in V		in A		in A		in A					
250		240		100		120		239,9849		239,9905		239,9937		120,0036		120,0051		120,0041	

Frequenz: frequency:		65Hz		Messart: measure mode:		4Wa											
Spannung		Strom		Ausgangsstrom belastet Output current with load													
Bereich	Messwert	Bereich	Messwert														
voltage		current		L1U		L2U		L3U		L1I		L2I		L3I			
range		value		range		value		in V		in A		in A		in A			
250		240		100		120		239,9916		239,9939		120,0038		120,0053		120,0053	

SAMPLE

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	CALIBRATION REPORT	Kalibrierschein Nr. <i>Calibration Report No.</i>			

Gerät / Device: MT551 Seriennummer / Serialnumber: 0500xxxxx

Frequenz: <i>frequency:</i>	53Hz	Messart: <i>measure mode:</i>	4Wa						
Spannung		Strom		Winkelmessung <i>Angle measurement</i>					
Bereich <i>range</i>	Messwert <i>value</i>	Bereich <i>range</i>	Messwert <i>value</i>	<i>L1U</i>	<i>L2U</i>	<i>L3U</i>	<i>L1I</i>	<i>L2I</i>	<i>L3I</i>
<i>voltage</i>		<i>current</i>							
in V		in A		in °			in °		
250	300	5	5	0,0000	120,0000	239,9966	0,0000	120,0000	240,0010

Spannung		Strom		Klirrfaktor <i>Distortion</i>					
Bereich <i>range</i>	Messwert <i>value</i>	Bereich <i>range</i>	Messwert <i>value</i>	<i>L1U</i>	<i>L2U</i>	<i>L3U</i>	<i>L1I</i>	<i>L2I</i>	<i>L3I</i>
<i>voltage</i>		<i>current</i>							
in V		in A		in %			in %		
250	300	5	5	0,0886	0,0597	0,0000	0,0000	0,0636	0,0569

SAMPLE