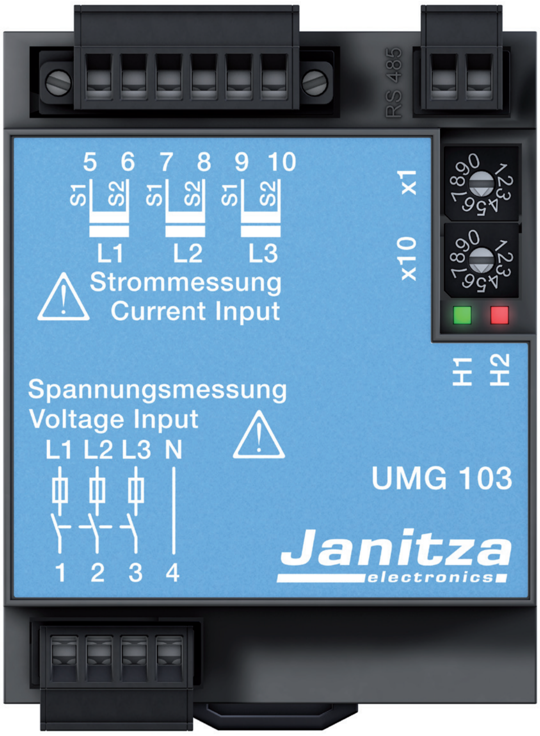
DIN Rail Measuring Device

UMG 103

Modbus Address List



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Janitza electronics GmbH
Vor dem Polstück 1
D-35633 Lahnau
Support Tel. (0 64 41) 9642-22
Fax (0 64 41) 9642-30
e-mail: info@janitza.de
Internet: http://www.janitza.de

General

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General Formats

CHAR = 1 Byte
SHORT = 2 Byte
USHORT = 2 Byte (without sign)
LONG = 4 Byte
FLOAT = 4 Byte

Byte Sequence

The data in the modbus address lists can be called in the format

- Big-endian (high byte before low byte) and in the format
- Little-endian (low byte before high byte).

The addresses described in these address lists return data in the “big-endian” format.
If you need data in the “little-endian” format, you must add the value 16384 to the address.

Converter Ratios

CT VT = The current converter or voltage converter ratio is not included in this value.

Release Notes

23.06.2008	First Release.
15.01.2009	Pages 12/16/25, Measured Value Designations.

Address	Designation	Configuration Range		Type	Default Setting
1	Baudrate	0	4	CHAR	0 = 9600 kBit 1 = 19200 kBit 2 = 38400 kBit 3 = 115000 kBit 4 = Automatic (default)
8	Delete MinMax-Value	0	1	CHAR	0
9	Delete_Work	0	1	CHAR	0
13	Comparator 1A, Threshold Val.	-999999999	999999999	LONG	0
15	Comparator 1A, Measured Val.	0	999	SHORT	
16	Comparator 1A, Min. Duration	1	900	SHORT	1
17	Comparator 1A, Operator	0	1	CHAR	0
18	Comparator 1B, Threshold Val.	-999999999	999999999	LONG	0
20	Comparator 1B, Measured Val.	0	999	SHORT	
21	Comparator 1B, Min. Duration	1	900	SHORT	1
22	Comparator 1B, Operator	0	1	CHAR	0
23	Comparator 1C, Threshold Val.	-999999999	999999999	LONG	0
25	Comparator 1C, Measured Val.	0	999	SHORT	
26	Comparator 1C, Min. Duration	1	900	SHORT	1
27	Comparator 1C, Operator	0	1	CHAR	0
28	Comparator 2A, Threshold Val.	-999999999	999999999	LONG	0
30	Comparator 2A, Measured Val.	0	999	SHORT	
31	Comparator 2A, Min. Duration	1	900	SHORT	1
32	Comparator 2A, Operator	0	1	CHAR	0
33	Comparator 2B, Threshold Val.	-999999999	999999999	LONG	0
35	Comparator 2B, Measured Val.	0	999	SHORT	
36	Comparator 2B, Min. Duration	1	900	SHORT	1
37	Comparator 2B, Operator	0	1	CHAR	0
38	Comparator 2C, Threshold Val.	-999999999	999999999	LONG	0
40	Comparator 2C, Measured Val.	0	999	SHORT	
41	Comparator 2C, Min. Duration	1	900	SHORT	1
42	Comparator 2C, Operator	0	1	CHAR	0
43	Output[0] link	0	1	CHAR	0
44	Output[0] invert	0	1	CHAR	0
45	Output[1] link	0	1	CHAR	0
46	Output[1] invert	0	1	CHAR	0
57	Averaging Time for all I	0	8	CHAR	
58	Averaging Time for all P	0	8	CHAR	0 = 5 Sec. 1 = 10 Sec. 2 = 30 Sec. 3 = 60 Sec. 4 = 300 Sec. 5 = 480 Sec. 6 = 900 Sec. (default) 7 = 30 Min. 8 = 60 Min.
63	Frequency	0	2	CHAR	0=Automatic (default) 1=50Hz 2=60Hz
64	Comparator 1A Lead Time	1	900	SHORT	0
65	Comparator 1B Lead Time	1	900	SHORT	0
66	Comparator 1C Lead Time	1	900	SHORT	0
67	Comparator 2A Lead Time	1	900	SHORT	0
68	Comparator 2B Lead Time	1	900	SHORT	0
69	Comparator 2C Lead Time	1	900	SHORT	0

Address	Designation	Configuration Range		Type	Default Setting
71	HT/ switch real energy	0	1	CHAR	0
72	HT/NT switch reactive energy	0	1	CHAR	0
73	Averaging time for all U	0	8	CHAR	0 = 5 Sec. 1 = 10 Sec. 2 = 30 Sec. 3 = 60 Sec. 4 = 300 Sec. 5 = 480 Sec. 6 = 900 Sec. (default) 7 = 30 Min. 8 = 60 Min
600	ct_prim	0	10000	SHORT	Primary Current Converter
601	ct_sec	1	5	SHORT	Secondary Current Converter
602	vt_prim	100	60000	USHORT	Primary Voltage Converter
603	vt_sec	100	400	SHORT	Secondary Voltage Converter
800	Write Operations in EEPROM Bit 1 = 1, write calibration data Bit 2 = 1, Write programming data Bit 4 = 1, Write counter Bit 8 = 1, Min-max values		1	SHORT	
860	Calibration Password			SHORT	
911	Serial number	only read		LONG	
913	Firmware-Release	only read		SHORT	
914	Hardware-Expansion	only read		SHORT	

Address	Designation	Scaling Factor	Type	Remark
200	Voltage Uln L1	10	SHORT	VT
201	Voltage Uln L2	10	SHORT	VT
202	Voltage Uln L3	10	SHORT	VT
203	Voltage Ull L1-L2	10	SHORT	VT
204	Voltage Ull L2-L3	10	SHORT	VT
205	Voltage Ull L3-L1	10	SHORT	VT
206	Current I L1	1000	SHORT	CT
207	Current I L2	1000	SHORT	CT
208	Current I L3	1000	SHORT	CT
209	Real power L1	10	SHORT	CT VT
210	Real power L2	10	SHORT	CT VT
211	Real power L3	10	SHORT	CT VT
212	Reactive power L1	10	SHORT	CT VT
213	Reactive power L2	10	SHORT	CT VT
214	Reactive power L3	10	SHORT	CT VT
215	Apparent power L1	10	SHORT	CT VT
216	Apparent power L2	10	SHORT	CT VT
217	Apparent power L3	10	SHORT	CT VT
218	CosPhi L1	100	SHORT	
219	CosPhi L2	100	SHORT	
220	CosPhi L3	100	SHORT	
221	1. Harmonic U L1	10	SHORT	VT
222	3. Harmonic U L1	10	SHORT	VT
223	5. Harmonic U L1	10	SHORT	VT
224	7. Harmonic U L1	10	SHORT	VT
225	9. Harmonic U L1	10	SHORT	VT
226	11. Harmonic U L1	10	SHORT	VT
227	13. Harmonic U L1	10	SHORT	VT
228	15. Harmonic U L1	10	SHORT	VT
229	1. Harmonic U L2	10	SHORT	VT
230	3. Harmonic U L2	10	SHORT	VT
231	5. Harmonic U L2	10	SHORT	VT
232	7. Harmonic U L2	10	SHORT	VT
233	9. Harmonic U L2	10	SHORT	VT
234	11. Harmonic U L2	10	SHORT	VT
235	13. Harmonic U L2	10	SHORT	VT
236	15. Harmonic U L2	10	SHORT	VT
237	1. Harmonic U L3	10	SHORT	VT
238	3. Harmonic U L3	10	SHORT	VT
239	5. Harmonic U L3	10	SHORT	VT
240	7. Harmonic U L3	10	SHORT	VT
241	9. Harmonic U L3	10	SHORT	VT
242	11. Harmonic U L3	10	SHORT	VT
243	13. Harmonic U L3	10	SHORT	VT
244	15. Harmonic U L3	10	SHORT	VT
245	1. Harmonic I L1	1000	SHORT	CT
246	3. Harmonic I L1	1000	SHORT	CT
247	5. Harmonic I L1	1000	SHORT	CT
248	7. Harmonic I L1	1000	SHORT	CT
249	9. Harmonic I L1	1000	SHORT	CT
250	11. Harmonic I L1	1000	SHORT	CT
251	13. Harmonic I L1	1000	SHORT	CT
252	15. Harmonic I L1	1000	SHORT	CT
253	1. Harmonic I L2	1000	SHORT	CT
254	3. Harmonic I L2	1000	SHORT	CT
255	5. Harmonic I L2	1000	SHORT	CT
256	7. Harmonic I L2	1000	SHORT	CT
257	9. Harmonic I L2	1000	SHORT	CT
258	11. Harmonic I L2	1000	SHORT	CT
259	13. Harmonic I L2	1000	SHORT	CT

Address	Designation	Scaling Factor	Type	Remark
260	15. Harmonic I L2	1000	SHORT	CT
261	1. Harmonic I L3	1000	SHORT	CT
262	3. Harmonic I L3	1000	SHORT	CT
263	5. Harmonic I L3	1000	SHORT	CT
264	7. Harmonic I L3	1000	SHORT	CT
265	9. Harmonic I L3	1000	SHORT	CT
266	11. Harmonic I L3	1000	SHORT	CT
267	13. Harmonic I L3	1000	SHORT	CT
268	15. Harmonic I L3	1000	SHORT	CT
269	THD U L1	1	SHORT	
270	THD U L2	1	SHORT	
271	THD U L3	1	SHORT	
272	THD I L1	1	SHORT	
273	THD I L2	1	SHORT	
274	THD I L3	1	SHORT	
275	Frequency	100	USHORT	
276	CosPhi sum	100	SHORT	
277	Rotation field	1	SHORT	+1= right rotary field 0= no rotary field -1= left rotary field
278	I Sum (converted current in N)	1000	SHORT	CT
279	P Sum	1	SHORT	CT VT
280	Q Sum	1	SHORT	CT VT
281	S Sum	1	SHORT	CT VT
282	Mean value I L1	1000	SHORT	CT
283	Mean value I L2	1000	SHORT	CT
284	Mean value I L3	1000	SHORT	CT
285	Mean value P L1	10	SHORT	CT VT
286	Mean value P L2	10	SHORT	CT VT
287	Mean value P L3	10	SHORT	CT VT
288	Mean value Q L1	10	SHORT	CT VT
289	Mean value Q L2	10	SHORT	CT VT
290	Mean value Q L3	10	SHORT	CT VT
291	Mean value S L1	10	SHORT	CT VT
292	Mean value S L2	10	SHORT	CT VT
293	Mean value S L3	10	SHORT	CT VT
294	Mean value I Sum	1000	SHORT	CT
295	Mean value P Sum	1	SHORT	CT VT
296	Mean value Q Sum	1	SHORT	CT VT
297	Mean value S Sum	1	SHORT	CT VT
298	Max. Mean value I Sum	1000	SHORT	CT
299	Max. Mean value P Sum	1	SHORT	CT VT
300	Max. value I Sum	1000	SHORT	CT
301	Max. value P Sum	1	SHORT	CT VT
302	Max. value Q Sum	1	SHORT	CT VT
303	Max. value S Sum	1	SHORT	CT VT
304	Max. value CosPhi Sum	100	SHORT	
305	Min. value Uln L1	10	SHORT	VT
306	Min. value Uln L2	10	SHORT	VT
307	Min. value Uln L3	10	SHORT	VT
308	Max. value Uln L1	10	SHORT	VT
309	Max. value Uln L2	10	SHORT	VT
310	Max. value Uln L3	10	SHORT	VT
311	Min. value Ull L1-L2	10	SHORT	VT
312	Min. value Ull L2-L3	10	SHORT	VT
313	Min. value Ull L3-L1	10	SHORT	VT
314	Max. value Ull L1-L2	10	SHORT	VT
315	Max. value Ull L2-L3	10	SHORT	VT
316	Max. value Ull L3-L1	10	SHORT	VT
317	Max. value I L1	1000	SHORT	CT

Address	Designation	Scaling Factor	Type	Remark
318	Max. value I L2	1000	SHORT	CT
319	Max. value I L3	1000	SHORT	CT
320	Max_Mean value I L1	1000	SHORT	CT
321	Max_Mean value I L2	1000	SHORT	CT
322	Max_Mean value I L3	1000	SHORT	CT
323	Max. value P L1	10	SHORT	CT VT
324	Max. value P L2	10	SHORT	CT VT
325	Max. value P L3	10	SHORT	CT VT
326	Max. value Q L1	10	SHORT	CT VT
327	Max. value Q L2	10	SHORT	CT VT
328	Max. value Q L3	10	SHORT	CT VT
329	Max. value S L1	10	SHORT	CT VT
330	Max. value S L2	10	SHORT	CT VT
331	Max. value S L3	10	SHORT	CT VT
332	Max. value 1. Harmonic U L1	10	SHORT	VT
333	Max. value 3. Harmonic U L1	10	SHORT	VT
334	Max. value 5. Harmonic U L1	10	SHORT	VT
335	Max. value 7. Harmonic U L1	10	SHORT	VT
336	Max. value 9. Harmonic U L1	10	SHORT	VT
337	Max. value 11. Harmonic U L1	10	SHORT	VT
338	Max. value 13. Harmonic U L1	10	SHORT	VT
339	Max. value 15. Harmonic U L1	10	SHORT	VT
340	Max. value 1. Harmonic U L2	10	SHORT	VT
341	Max. value 3. Harmonic U L2	10	SHORT	VT
342	Max. value 5. Harmonic U L2	10	SHORT	VT
343	Max. value 7. Harmonic U L2	10	SHORT	VT
344	Max. value 9. Harmonic U L2	10	SHORT	VT
345	Max. value 11. Harmonic U L2	10	SHORT	VT
346	Max. value 13. Harmonic U L2	10	SHORT	VT
347	Max. value 15. Harmonic U L2	10	SHORT	VT
348	Max. value 1. Harmonic U L3	10	SHORT	VT
349	Max. value 3. Harmonic U L3	10	SHORT	VT
350	Max. value 5. Harmonic U L3	10	SHORT	VT
351	Max. value 7. Harmonic U L3	10	SHORT	VT
352	Max. value 9. Harmonic U L3	10	SHORT	VT
353	Max. value 11. Harmonic U L3	10	SHORT	VT
354	Max. value 13. Harmonic U L3	10	SHORT	VT
355	Max. value 15. Harmonic U L3	10	SHORT	VT
356	Max. value 1. Harmonic I L1	1000	SHORT	CT
357	Max. value 3. Harmonic I L1	1000	SHORT	CT
358	Max. value 5. Harmonic I L1	1000	SHORT	CT
359	Max. value 7. Harmonic I L1	1000	SHORT	CT
360	Max. value 9. Harmonic I L1	1000	SHORT	CT
361	Max. value 11. Harmonic I L1	1000	SHORT	CT
362	Max. value 13. Harmonic I L1	1000	SHORT	CT
363	Max. value 15. Harmonic I L1	1000	SHORT	CT
364	Max. value 1. Harmonic I L2	1000	SHORT	CT
365	Max. value 3. Harmonic I L2	1000	SHORT	CT
366	Max. value 5. Harmonic I L2	1000	SHORT	CT
367	Max. value 7. Harmonic I L2	1000	SHORT	CT
368	Max. value 9. Harmonic I L2	1000	SHORT	CT
369	Max. value 11. Harmonic I L2	1000	SHORT	CT
370	Max. value 13. Harmonic I L2	1000	SHORT	CT
371	Max. value 15. Harmonic I L2	1000	SHORT	CT
372	Max. value 1. Harmonic I L3	1000	SHORT	CT
373	Max. value 3. Harmonic I L3	1000	SHORT	CT
374	Max. value 5. Harmonic I L3	1000	SHORT	CT
375	Max. value 7. Harmonic I L3	1000	SHORT	CT
376	Max. value 9. Harmonic I L3	1000	SHORT	CT
377	Max. value 11. Harmonic I L3	1000	SHORT	CT

Address	Designation	Scaling Factor		Type	Remark
378	Max. value 13. Harmonic I L3		1000	SHORT	CT
379	Max. value 15. Harmonic I L3		1000	SHORT	CT
380	Max. value THD U L1		1	SHORT	
381	Max. value THD U L2		1	SHORT	
382	Max. value THD U L3		1	SHORT	
383	Max. value THD I L1		1	SHORT	
384	Max. value THD I L2		1	SHORT	
385	Max. value THD I L3		1	SHORT	
386	Comparator Result 1A		1	CHAR	
387	Comparator Result 1B		1	CHAR	
388	Comparator Result 1C		1	CHAR	
389	Comparator Group 1, total result		1	CHAR	
390	Comparator Result 2A		1	CHAR	
391	Comparator Result 2B		1	CHAR	
392	Comparator Result 2C		1	CHAR	
393	Comparator Group 2, total result		1	CHAR	
394	Operating Hour Counter		1	LONG	
396	Total Run Time Comparator 1A		1	LONG	
398	Total Run Time Comparator 1B		1	LONG	
400	Total Run Time Comparator 1C		1	LONG	
402	Total Run Time Comparator 2A		1	LONG	
404	Total Run Time Comparator 2B		1	LONG	
406	Total Run Time Comparator 2C		1	LONG	
410	Time since the 1.1.1970		1	LONG	
412	Mean value CosPhi Sum		100	SHORT	
413	Measuring range exceeded		1	CHAR	
	Bit 1 = I > 6,5A L1				
	Bit 2 = I > 6,5A L2				
	Bit 3 = I > 6,5A L3				
	Bit 4 = free				
	Bit 5 = U > 300V L1-N				
	Bit 6 = U > 300V L2-N				
	Bit 7 = U > 300V L3-N				
	Bit 8 = free				
416	Real energy Sum without return travel block		1	LONG	
418	Reactive energy, Sum inductive		1	LONG	
420	Digital input condition 1		1	CHAR	
421	Digital input condition 2		1	CHAR	
422	Real energy HT, consumption, Sum		1	LONG	
424	Real energy NT, supply, Sum		1	LONG	
426	Reactive energy HT, inductive Sum		1	LONG	
428	Reactive energy NT, inductive Sum		1	LONG	
430	Apparent energy Sum		1	LONG	
432	Mean value UL1-N		10	SHORT	VT
433	Mean value UL2-N		10	SHORT	VT
434	Mean value UL3-N		10	SHORT	VT
435	Mean value UL1-L2		10	SHORT	VT
436	Mean value UL2-L3		10	SHORT	VT
437	Mean value UL3-L1		10	SHORT	VT
600	**ct_prim**	**0**	**10000**	**SHORT**	Current transf., prim.
601	**ct_sec**	**1**	**5**	**SHORT**	Current transf., second.
602	**vt_prim**	**100**	**60000**	**USHORT**	Voltage transf., prim.
603	**vt_sec**	**100**	**400**	**SHORT**	Voltage transf., second.
800	Write in EEPROM		1	SHORT	
	Bit 1 = 1, Write calibration data				
	Bit 2 = 1, Write programming data				
	Bit 4 = 1, Write counter				
	Bit 8 = 1, Write min-max values				
860	Calibration Password		1	SHORT	
911	Serial number		1	LONG	

Address	Designation	Scaling Factor	Type	Remark
913	Firmware release	1	SHORT	
914	Hardware expansion	1	SHORT	
920	Calibration value U L1	1	FLOAT	
922	Calibration value U L2	1	FLOAT	
924	Calibration value U L3	1	FLOAT	
926	Calibration value I L1	1	FLOAT	
928	Calibration value I L2	1	FLOAT	
930	Calibration value I L3	1	FLOAT	
932	Calibration value Phase U L1	1	FLOAT	
934	Calibration value Phase U L2	1	FLOAT	
936	Calibration value Phase U L3	1	FLOAT	
938	Calibration value Phase I L1	1	FLOAT	
940	Calibration value Phase I L2	1	FLOAT	
942	Calibration value Phase I L3	1	FLOAT	
1000	U L1	1	FLOAT	
1002	U L2	1	FLOAT	
1004	U L3	1	FLOAT	
1006	U L1-L2	1	FLOAT	
1008	U L2-L3	1	FLOAT	
1010	U L3-L1	1	FLOAT	
1012	I L1	1	FLOAT	
1014	I L2	1	FLOAT	
1016	I L3	1	FLOAT	
1018	I Sum (converted current in N)	1	FLOAT	
1020	P L1	1	FLOAT	
1022	P L2	1	FLOAT	
1024	P L3	1	FLOAT	
1026	P Sum	1	FLOAT	
1028	Q L1	1	FLOAT	
1030	Q L2	1	FLOAT	
1032	Q L3	1	FLOAT	
1034	Q Sum	1	FLOAT	
1036	S L1	1	FLOAT	
1038	S L2	1	FLOAT	
1040	S L3	1	FLOAT	
1042	S Sum	1	FLOAT	
1044	CosPhi L1	1	FLOAT	
1046	CosPhi L2	1	FLOAT	
1048	CosPhi L3	1	FLOAT	
1050	CosPhi Sum	1	FLOAT	
1052	Real power, fundamental oscillation L1	1	FLOAT	
1054	Real power, fundamental oscillation L2	1	FLOAT	
1056	Real power, fundamental oscillation L3	1	FLOAT	
1058	1. Harmonic U L1	1	FLOAT	
1060	3. Harmonic U L1	1	FLOAT	
1062	5. Harmonic U L1	1	FLOAT	
1064	7. Harmonic U L1	1	FLOAT	
1066	9. Harmonic U L1	1	FLOAT	
1068	11. Harmonic U L1	1	FLOAT	
1070	13. Harmonic U L1	1	FLOAT	
1072	15. Harmonic U L1	1	FLOAT	
1074	17. Harmonic U L1	1	FLOAT	
1076	19. Harmonic U L1	1	FLOAT	
1078	21. Harmonic U L1	1	FLOAT	
1080	23. Harmonic U L1	1	FLOAT	
1082	25. Harmonic U L1	1	FLOAT	
1084	1. Harmonic U L2	1	FLOAT	
1086	3. Harmonic U L2	1	FLOAT	
1088	5. Harmonic U L2	1	FLOAT	
1090	7. Harmonic U L2	1	FLOAT	

Address	Designation	Scaling Factor	Type	Remark
1092	9. Harmonic U L2	1	FLOAT	
1094	11. Harmonic U L2	1	FLOAT	
1096	13. Harmonic U L2	1	FLOAT	
1098	15. Harmonic U L2	1	FLOAT	
1100	17. Harmonic U L2	1	FLOAT	
1102	19. Harmonic U L2	1	FLOAT	
1104	21. Harmonic U L2	1	FLOAT	
1106	23. Harmonic U L2	1	FLOAT	
1108	25. Harmonic U L2	1	FLOAT	
1110	1. Harmonic U L3	1	FLOAT	
1112	3. Harmonic U L3	1	FLOAT	
1114	5. Harmonic U L3	1	FLOAT	
1116	7. Harmonic U L3	1	FLOAT	
1118	9. Harmonic U L3	1	FLOAT	
1120	11. Harmonic U L3	1	FLOAT	
1122	13. Harmonic U L3	1	FLOAT	
1124	15. Harmonic U L3	1	FLOAT	
1126	17. Harmonic U L3	1	FLOAT	
1128	19. Harmonic U L3	1	FLOAT	
1130	21. Harmonic U L3	1	FLOAT	
1132	23. Harmonic U L3	1	FLOAT	
1134	25. Harmonic U L3	1	FLOAT	
1136	1. Harmonic I L1	1	FLOAT	
1138	3. Harmonic I L1	1	FLOAT	
1140	5. Harmonic I L1	1	FLOAT	
1142	7. Harmonic I L1	1	FLOAT	
1144	9. Harmonic I L1	1	FLOAT	
1146	11. Harmonic I L1	1	FLOAT	
1148	13. Harmonic I L1	1	FLOAT	
1150	15. Harmonic I L1	1	FLOAT	
1152	17. Harmonic I L1	1	FLOAT	
1154	19. Harmonic I L1	1	FLOAT	
1156	21. Harmonic I L1	1	FLOAT	
1158	23. Harmonic I L1	1	FLOAT	
1160	25. Harmonic I L1	1	FLOAT	
1162	1. Harmonic I L2	1	FLOAT	
1164	3. Harmonic I L2	1	FLOAT	
1166	5. Harmonic I L2	1	FLOAT	
1168	7. Harmonic I L2	1	FLOAT	
1170	9. Harmonic I L2	1	FLOAT	
1172	11. Harmonic I L2	1	FLOAT	
1174	13. Harmonic I L2	1	FLOAT	
1176	15. Harmonic I L2	1	FLOAT	
1178	17. Harmonic I L2	1	FLOAT	
1180	19. Harmonic I L2	1	FLOAT	
1182	21. Harmonic I L2	1	FLOAT	
1184	23. Harmonic I L2	1	FLOAT	
1186	25. Harmonic I L2	1	FLOAT	
1188	1. Harmonic I L3	1	FLOAT	
1190	3. Harmonic I L3	1	FLOAT	
1192	5. Harmonic I L3	1	FLOAT	
1194	7. Harmonic I L3	1	FLOAT	
1196	9. Harmonic I L3	1	FLOAT	
1198	11. Harmonic I L3	1	FLOAT	
1200	13. Harmonic I L3	1	FLOAT	
1202	15. Harmonic I L3	1	FLOAT	
1204	17. Harmonic I L3	1	FLOAT	
1206	19. Harmonic I L3	1	FLOAT	
1208	21. Harmonic I L3	1	FLOAT	
1210	23. Harmonic I L3	1	FLOAT	

Address	Designation	Scaling Factor	Type	Remark
1212	25. Harmonic I L3	1	FLOAT	
1214	THD U L1	1	FLOAT	
1216	THD U L2	1	FLOAT	
1218	THD U L3	1	FLOAT	
1220	THD I L1	1	FLOAT	
1222	THD I L2	1	FLOAT	
1224	THD I L3	1	FLOAT	
1226	Frequency	1	FLOAT	
1228	Zero sequence U	1	FLOAT	
1230	Postive sequence U	1	FLOAT	
1232	Negative sequence U	1	FLOAT	
1234	Zero sequence I	1	FLOAT	
1236	Postive sequence I	1	FLOAT	
1238	Negative sequence I	1	FLOAT	
1240	Distortion power L1	1	FLOAT	
1242	Distortion power L2	1	FLOAT	
1244	Distortion power L3	1	FLOAT	
1246	Distortion power Sum	1	FLOAT	
1248	Rotation field	1	FLOAT	+1= right rotary field 0= no rotary field -1= left rotary field
1250	Real part of the fundamental oscillation UL1	1	FLOAT	
1252	Imaginary part of the fund. oscillation UL1	1	FLOAT	
1254	Real part of the fund. oscillation UL2	1	FLOAT	
1256	Imaginary part of the fund. oscillation UL2	1	FLOAT	
1258	Real part of the fund. oscillation UL3	1	FLOAT	
1260	Imaginary part of the fund. oscillation UL3	1	FLOAT	
1262	Real part of the fund. oscillation IL1	1	FLOAT	
1264	Imaginary part of the fund. oscillation IL1	1	FLOAT	
1266	Real part of the fund. oscillation IL2	1	FLOAT	
1268	Imaginary part of the fund. oscillation IL2	1	FLOAT	
1270	Real part of the fund. oscillation IL3	1	FLOAT	
1272	Imaginary part of the fund. oscillation IL3	1	FLOAT	
2000	Mean value U L1	1	FLOAT	
2002	Mean value U L2	1	FLOAT	
2004	Mean value U L3	1	FLOAT	
2006	Mean value U L1-L2	1	FLOAT	
2008	Mean value U L2-L3	1	FLOAT	
2010	Mean value U L3-L1	1	FLOAT	
2012	Mean value I L1	1	FLOAT	
2014	Mean value I L2	1	FLOAT	
2016	Mean value I L3	1	FLOAT	
2018	Mean value I Sum	1	FLOAT	
2020	Mean value P L1	1	FLOAT	
2022	Mean value P L2	1	FLOAT	
2024	Mean value P L3	1	FLOAT	
2026	Mean value P Sum	1	FLOAT	
2028	Mean value Q L1	1	FLOAT	
2030	Mean value Q L2	1	FLOAT	
2032	Mean value Q L3	1	FLOAT	
2034	Mean value Q Sum	1	FLOAT	
2036	Mean value S L1	1	FLOAT	
2038	Mean value S L2	1	FLOAT	
2040	Mean value S L3	1	FLOAT	
2042	Mean value S Sum	1	FLOAT	
2044	Mean value CosPhi L1	1	FLOAT	
2046	Mean value CosPhi L2	1	FLOAT	
2048	Mean value CosPhi L3	1	FLOAT	
2050	Mean value CosPhi Sum	1	FLOAT	

Address	Designation	Scaling Factor	Type	Remark
2052	Mean value real power, fundamental osc. L1	1	FLOAT	
2054	Mean value real power, fundamental osc. L2	1	FLOAT	
2056	Mean value real power, fund. osz. L3	1	FLOAT	
2058	Mean value 1. Harmonic U L1	1	FLOAT	
2060	Mean value 3. Harmonic U L1	1	FLOAT	
2062	Mean value 5. Harmonic U L1	1	FLOAT	
2064	Mean value 7. Harmonic U L1	1	FLOAT	
2066	Mean value 9. Harmonic U L1	1	FLOAT	
2068	Mean value 11. Harmonic U L1	1	FLOAT	
2070	Mean value 13. Harmonic U L1	1	FLOAT	
2072	Mean value 15. Harmonic U L1	1	FLOAT	
2074	Mean value 17. Harmonic U L1	1	FLOAT	
2076	Mean value 19. Harmonic U L1	1	FLOAT	
2078	Mean value 21. Harmonic U L1	1	FLOAT	
2080	Mean value 23. Harmonic U L1	1	FLOAT	
2082	Mean value 25. Harmonic U L1	1	FLOAT	
2084	Mean value 1. Harmonic U L2	1	FLOAT	
2086	Mean value 3. Harmonic U L2	1	FLOAT	
2088	Mean value 5. Harmonic U L2	1	FLOAT	
2090	Mean value 7. Harmonic U L2	1	FLOAT	
2092	Mean value 9. Harmonic U L2	1	FLOAT	
2094	Mean value 11. Harmonic U L2	1	FLOAT	
2096	Mean value 13. Harmonic U L2	1	FLOAT	
2098	Mean value 15. Harmonic U L2	1	FLOAT	
2100	Mean value 17. Harmonic U L2	1	FLOAT	
2102	Mean value 19. Harmonic U L2	1	FLOAT	
2104	Mean value 21. Harmonic U L2	1	FLOAT	
2106	Mean value 23. Harmonic U L2	1	FLOAT	
2108	Mean value 25. Harmonic U L2	1	FLOAT	
2110	Mean value 1. Harmonic U L3	1	FLOAT	
2112	Mean value 3. Harmonic U L3	1	FLOAT	
2114	Mean value 5. Harmonic U L3	1	FLOAT	
2116	Mean value 7. Harmonic U L3	1	FLOAT	
2118	Mean value 9. Harmonic U L3	1	FLOAT	
2120	Mean value 11. Harmonic U L3	1	FLOAT	
2122	Mean value 13. Harmonic U L3	1	FLOAT	
2124	Mean value 15. Harmonic U L3	1	FLOAT	
2126	Mean value 17. Harmonic U L3	1	FLOAT	
2128	Mean value 19. Harmonic U L3	1	FLOAT	
2130	Mean value 21. Harmonic U L3	1	FLOAT	
2132	Mean value 23. Harmonic U L3	1	FLOAT	
2134	Mean value 25. Harmonic U L3	1	FLOAT	
2136	Mean value 1. Harmonic I L1	1	FLOAT	
2138	Mean value 3. Harmonic I L1	1	FLOAT	
2140	Mean value 5. Harmonic I L1	1	FLOAT	
2142	Mean value 7. Harmonic I L1	1	FLOAT	
2144	Mean value 9. Harmonic I L1	1	FLOAT	
2146	Mean value 11. Harmonic I L1	1	FLOAT	
2148	Mean value 13. Harmonic I L1	1	FLOAT	
2150	Mean value 15. Harmonic I L1	1	FLOAT	
2152	Mean value 17. Harmonic I L1	1	FLOAT	
2154	Mean value 19. Harmonic I L1	1	FLOAT	
2156	Mean value 21. Harmonic I L1	1	FLOAT	
2158	Mean value 23. Harmonic I L1	1	FLOAT	
2160	Mean value 25. Harmonic I L1	1	FLOAT	
2162	Mean value 1. Harmonic I L2	1	FLOAT	
2164	Mean value 3. Harmonic I L2	1	FLOAT	
2166	Mean value 5. Harmonic I L2	1	FLOAT	
2168	Mean value 7. Harmonic I L2	1	FLOAT	
2170	Mean value 9. Harmonic I L2	1	FLOAT	

Address	Designation	Scaling Factor	Type	Remark
2172	Mean value 11. Harmonic I L2	1	FLOAT	
2174	Mean value 13. Harmonic I L2	1	FLOAT	
2176	Mean value 15. Harmonic I L2	1	FLOAT	
2178	Mean value 17. Harmonic I L2	1	FLOAT	
2180	Mean value 19. Harmonic I L2	1	FLOAT	
2182	Mean value 21. Harmonic I L2	1	FLOAT	
2184	Mean value 23. Harmonic I L2	1	FLOAT	
2186	Mean value 25. Harmonic I L2	1	FLOAT	
2188	Mean value 1. Harmonic I L3	1	FLOAT	
2190	Mean value 3. Harmonic I L3	1	FLOAT	
2192	Mean value 5. Harmonic I L3	1	FLOAT	
2194	Mean value 7. Harmonic I L3	1	FLOAT	
2196	Mean value 9. Harmonic I L3	1	FLOAT	
2198	Mean value 11. Harmonic I L3	1	FLOAT	
2200	Mean value 13. Harmonic I L3	1	FLOAT	
2202	Mean value 15. Harmonic I L3	1	FLOAT	
2204	Mean value 17. Harmonic I L3	1	FLOAT	
2206	Mean value 19. Harmonic I L3	1	FLOAT	
2208	Mean value 21. Harmonic I L3	1	FLOAT	
2210	Mean value 23. Harmonic I L3	1	FLOAT	
2212	Mean value 25. Harmonic I L3	1	FLOAT	
2214	Mean value THD U L1	1	FLOAT	
2216	Mean value THD U L2	1	FLOAT	
2218	Mean value THD U L3	1	FLOAT	
2220	Mean value THD I L1	1	FLOAT	
2222	Mean value THD I L2	1	FLOAT	
2224	Mean value THD I L3	1	FLOAT	
2226	Mean value Frequency	1	FLOAT	
2228	Mean value Zero sequence U	1	FLOAT	
2230	Mean value postive sequence U	1	FLOAT	
2232	Mean value negative sequence U	1	FLOAT	
2234	Mean value Zero sequence I	1	FLOAT	
2236	Mean value postive sequence I	1	FLOAT	
2238	Mean value negative sequence I	1	FLOAT	
2240	Mean value distortion power L1	1	FLOAT	
2242	Mean value distortion power L2	1	FLOAT	
2244	Mean value distortion power L3	1	FLOAT	
2246	Mean value distortion power Sum	1	FLOAT	
3000	Max. value. U L1	1	FLOAT	
3002	Max. value. U L2	1	FLOAT	
3004	Max. value. U L3	1	FLOAT	
3006	Max. value. U L1-L2	1	FLOAT	
3008	Max. value. U L2-L3	1	FLOAT	
3010	Max. value. U L3-L1	1	FLOAT	
3012	Max. value. I L1	1	FLOAT	
3014	Max. value. I L2	1	FLOAT	
3016	Max. value. I L3	1	FLOAT	
3018	Max. value. I Sum (convert. Current in N)	1	FLOAT	
3020	Max. value. P L1	1	FLOAT	
3022	Max. value. P L2	1	FLOAT	
3024	Max. value. P L3	1	FLOAT	
3026	Max. value. P Sum	1	FLOAT	
3028	Max. value. Q L1	1	FLOAT	
3030	Max. value. Q L2	1	FLOAT	
3032	Max. value. Q L3	1	FLOAT	
3034	Max. value. Q Sum	1	FLOAT	
3036	Max. value. S L1	1	FLOAT	
3038	Max. value. S L2	1	FLOAT	

Address	Designation	Scaling Factor	Type	Remark
3040	Max. value. S L3	1	FLOAT	
3042	Max. value. S Sum	1	FLOAT	
3044	Max. value. CosPhi L1	1	FLOAT	
3046	Max. value. CosPhi L2	1	FLOAT	
3048	Max. value. CosPhi L3	1	FLOAT	
3050	Max. value. CosPhi Sum	1	FLOAT	
3052	Max. value. real power, fundamental osc. L1	1	FLOAT	
3054	Max. value. real power, fundamental osc. L2	1	FLOAT	
3056	Max. value. real power, fundamental osc. L3	1	FLOAT	
3058	Max. value. 1. Harmonic U L1	1	FLOAT	
3060	Max. value. 3. Harmonic U L1	1	FLOAT	
3062	Max. value. 5. Harmonic U L1	1	FLOAT	
3064	Max. value. 7. Harmonic U L1	1	FLOAT	
3066	Max. value. 9. Harmonic U L1	1	FLOAT	
3068	Max. value. 11. Harmonic U L1	1	FLOAT	
3070	Max. value. 13. Harmonic U L1	1	FLOAT	
3072	Max. value. 15. Harmonic U L1	1	FLOAT	
3074	Max. value. 17. Harmonic U L1	1	FLOAT	
3076	Max. value. 19. Harmonic U L1	1	FLOAT	
3078	Max. value. 21. Harmonic U L1	1	FLOAT	
3080	Max. value. 23. Harmonic U L1	1	FLOAT	
3082	Max. value. 25. Harmonic U L1	1	FLOAT	
3084	Max. value. 1. Harmonic U L2	1	FLOAT	
3086	Max. value. 3. Harmonic U L2	1	FLOAT	
3088	Max. value. 5. Harmonic U L2	1	FLOAT	
3090	Max. value. 7. Harmonic U L2	1	FLOAT	
3092	Max. value. 9. Harmonic U L2	1	FLOAT	
3094	Max. value. 11. Harmonic U L2	1	FLOAT	
3096	Max. value. 13. Harmonic U L2	1	FLOAT	
3098	Max. value. 15. Harmonic U L2	1	FLOAT	
3100	Max. value. 17. Harmonic U L2	1	FLOAT	
3102	Max. value. 19. Harmonic U L2	1	FLOAT	
2104	Max. value. 21. Harmonic U L2	1	FLOAT	
3106	Max. value. 23. Harmonic U L2	1	FLOAT	
3108	Max. value. 25. Harmonic U L2	1	FLOAT	
3110	Max. value. 1. Harmonic U L3	1	FLOAT	
3112	Max. value. 3. Harmonic U L3	1	FLOAT	
3114	Max. value. 5. Harmonic U L3	1	FLOAT	
3116	Max. value. 7. Harmonic U L3	1	FLOAT	
3118	Max. value. 9. Harmonic U L3	1	FLOAT	
3120	Max. value. 11. Harmonic U L3	1	FLOAT	
3122	Max. value. 13. Harmonic U L3	1	FLOAT	
3124	Max. value. 15. Harmonic U L3	1	FLOAT	
3126	Max. value. 17. Harmonic U L3	1	FLOAT	
3128	Max. value. 19. Harmonic U L3	1	FLOAT	
3130	Max. value. 21. Harmonic U L3	1	FLOAT	
3132	Max. value. 23. Harmonic U L3	1	FLOAT	
3134	Max. value. 25. Harmonic U L3	1	FLOAT	
3136	Max. value. 1. Harmonic I L1	1	FLOAT	
3138	Max. value. 3. Harmonic I L1	1	FLOAT	
3140	Max. value. 5. Harmonic I L1	1	FLOAT	
3142	Max. value. 7. Harmonic I L1	1	FLOAT	
3144	Max. value. 9. Harmonic I L1	1	FLOAT	
3146	Max. value. 11. Harmonic I L1	1	FLOAT	
3148	Max. value. 13. Harmonic I L1	1	FLOAT	
3150	Max. value. 15. Harmonic I L1	1	FLOAT	
3152	Max. value. 17. Harmonic I L1	1	FLOAT	
3154	Max. value. 19. Harmonic I L1	1	FLOAT	
3156	Max. value. 21. Harmonic I L1	1	FLOAT	
3158	Max. value. 23. Harmonic I L1	1	FLOAT	

Address	Designation	Scaling Factor	Type	Remark
3160	Max. value. 25. Harmonic I L1	1	FLOAT	
3162	Max. value. 1. Harmonic I L2	1	FLOAT	
3164	Max. value. 3. Harmonic I L2	1	FLOAT	
3166	Max. value. 5. Harmonic I L2	1	FLOAT	
3168	Max. value. 7. Harmonic I L2	1	FLOAT	
3170	Max. value. 9. Harmonic I L2	1	FLOAT	
3172	Max. value. 11. Harmonic I L2	1	FLOAT	
3174	Max. value. 13. Harmonic I L2	1	FLOAT	
3176	Max. value. 15. Harmonic I L2	1	FLOAT	
3178	Max. value. 17. Harmonic I L2	1	FLOAT	
3180	Max. value. 19. Harmonic I L2	1	FLOAT	
3182	Max. value. 21. Harmonic I L2	1	FLOAT	
3184	Max. value. 23. Harmonic I L2	1	FLOAT	
3186	Max. value. 25. Harmonic I L2	1	FLOAT	
3188	Max. value. 1. Harmonic I L3	1	FLOAT	
3190	Max. value. 3. Harmonic I L3	1	FLOAT	
3192	Max. value. 5. Harmonic I L3	1	FLOAT	
3194	Max. value. 7. Harmonic I L3	1	FLOAT	
3196	Max. value. 9. Harmonic I L3	1	FLOAT	
3198	Max. value. 11. Harmonic I L3	1	FLOAT	
3200	Max. value. 13. Harmonic I L3	1	FLOAT	
3202	Max. value. 15. Harmonic I L3	1	FLOAT	
3204	Max. value. 17. Harmonic I L3	1	FLOAT	
3206	Max. value. 19. Harmonic I L3	1	FLOAT	
3208	Max. value. 21. Harmonic I L3	1	FLOAT	
3210	Max. value. 23. Harmonic I L3	1	FLOAT	
3212	Max. value. 25. Harmonic I L3	1	FLOAT	
3214	Max. value. THD U L1	1	FLOAT	
3216	Max. value. THD U L2	1	FLOAT	
3218	Max. value. THD U L3	1	FLOAT	
3220	Max. value. THD I L1	1	FLOAT	
3222	Max. value. THD I L2	1	FLOAT	
3224	Max. value. THD I L3	1	FLOAT	
3226	Max. value. Frequency	1	FLOAT	
3228	Max. value U Zero sequence	1	FLOAT	
3230	Max. value U postive sequence	1	FLOAT	
3232	Max. value U negative sequence	1	FLOAT	
3234	Max. value I Zero sequence	1	FLOAT	
3236	Max. value I postive sequence	1	FLOAT	
3238	Max. value I negative sequence	1	FLOAT	
3240	Max. value Distortion power L1	1	FLOAT	
3242	Max. value Distortion power L2	1	FLOAT	
3244	Max. value Distortion power L3	1	FLOAT	
3246	Max. value Distortion power Sum	1	FLOAT	
3248	Max. value des Mean value I L1	1	FLOAT	
3250	Max. value des Mean value I L2	1	FLOAT	
3252	Max. value des Mean value I L3	1	FLOAT	
3254	Max. value des Mean value I Sum	1	FLOAT	
3256	Max. of Mean value P L1	1	FLOAT	
3258	Max. of Mean value P L2	1	FLOAT	
3260	Max. of Mean value P L3	1	FLOAT	
3262	Max. of Mean value P Sum.	1	FLOAT	
4000	Min. value U L1	1	FLOAT	
4002	Min. value U L2	1	FLOAT	
4004	Min. value U L3	1	FLOAT	
4006	Min. value U L1-L2	1	FLOAT	
4008	Min. value U L2-L3	1	FLOAT	

Address	Designation	Scaling Factor	Type	Remark
4010	Min. value U L3-L1	1	FLOAT	
4012	Min. value CosPhi L1	1	FLOAT	
4014	Min. value CosPhi L1	1	FLOAT	
4016	Min. value CosPhi L2	1	FLOAT	
4018	Min. value CosPhi L3	1	FLOAT	
4020	Min. value 1. Harmonic U L1	1	FLOAT	
4022	Min. value 3. Harmonic U L1	1	FLOAT	
4024	Min. value 5. Harmonic U L1	1	FLOAT	
4026	Min. value 7. Harmonic U L1	1	FLOAT	
4028	Min. value 9. Harmonic U L1	1	FLOAT	
4030	Min. value 11. Harmonic U L1	1	FLOAT	
4032	Min. value 13. Harmonic U L1	1	FLOAT	
4034	Min. value 15. Harmonic U L1	1	FLOAT	
4036	Min. value 17. Harmonic U L1	1	FLOAT	
4038	Min. value 19. Harmonic U L1	1	FLOAT	
4040	Min. value 21. Harmonic U L1	1	FLOAT	
4042	Min. value 23. Harmonic U L1	1	FLOAT	
4044	Min. value 25. Harmonic U L1	1	FLOAT	
4046	Min. value 1. Harmonic U L2	1	FLOAT	
4048	Min. value 3. Harmonic U L2	1	FLOAT	
4050	Min. value 5. Harmonic U L2	1	FLOAT	
4052	Min. value 7. Harmonic U L2	1	FLOAT	
4054	Min. value 9. Harmonic U L2	1	FLOAT	
4056	Min. value 11. Harmonic U L2	1	FLOAT	
4058	Min. value 13. Harmonic U L2	1	FLOAT	
4060	Min. value 15. Harmonic U L2	1	FLOAT	
4062	Min. value 17. Harmonic U L2	1	FLOAT	
4064	Min. value 19. Harmonic U L2	1	FLOAT	
4066	Min. value 21. Harmonic U L2	1	FLOAT	
4068	Min. value 23. Harmonic U L2	1	FLOAT	
4070	Min. value 25. Harmonic U L2	1	FLOAT	
4072	Min. value 1. Harmonic U L3	1	FLOAT	
4074	Min. value 3. Harmonic U L3	1	FLOAT	
4076	Min. value 5. Harmonic U L3	1	FLOAT	
4078	Min. value 7. Harmonic U L3	1	FLOAT	
4080	Min. value 9. Harmonic U L3	1	FLOAT	
4082	Min. value 11. Harmonic U L3	1	FLOAT	
4084	Min. value 13. Harmonic U L3	1	FLOAT	
4086	Min. value 15. Harmonic U L3	1	FLOAT	
4088	Min. value 17. Harmonic U L3	1	FLOAT	
4090	Min. value 19. Harmonic U L3	1	FLOAT	
4092	Min. value 21. Harmonic U L3	1	FLOAT	
4094	Min. value 23. Harmonic U L3	1	FLOAT	
4096	Min. value 25. Harmonic U L3	1	FLOAT	
4098	Min. value THD U L1	1	FLOAT	
4100	Min. value THD U L2	1	FLOAT	
4102	Min. value THD U L3	1	FLOAT	
4104	Min. value Frequency	1	FLOAT	
4106	Min. value U Zero sequence	1	FLOAT	
4108	Min. value U postive sequence	1	FLOAT	
4110	Min. value U negative sequence	1	FLOAT	
5000	Real energy L1, Consumption	1	FLOAT	
5002	Real energy L2, Consumption	1	FLOAT	
5004	Real energy L3, Consumption	1	FLOAT	
5006	Real energy Sum, Consumption	1	FLOAT	
5008	Real energy L1, Consumption, HT	1	FLOAT	
5010	Real energy L2, Consumption, HT	1	FLOAT	
5012	Real energy L3, Consumption, HT	1	FLOAT	

Address	Designation	Scaling Factor	Type	Remark
5014	Real energy Sum, Consumption, HT	1	FLOAT	
5016	Real energy L1, Consumption, NT	1	FLOAT	
5018	Real energy L2, Consumption, NT	1	FLOAT	
5020	Real energy L3, Consumption, NT	1	FLOAT	
5022	Real energy Sum, Consumption, NT	1	FLOAT	
5024	Apparent energy L1	1	FLOAT	
5026	Apparent energy L2	1	FLOAT	
5028	Apparent energy L3	1	FLOAT	
5030	Apparent energy Sum	1	FLOAT	
5032	Apparent energy L1, HT	1	FLOAT	
5034	Apparent energy L2, HT	1	FLOAT	
5036	Apparent energy L3, HT	1	FLOAT	
5038	Apparent energy Sum, HT	1	FLOAT	
5040	Apparent energy L1, NT	1	FLOAT	
5042	Apparent energy L2, NT	1	FLOAT	
5044	Apparent energy L3, NT	1	FLOAT	
5046	Apparent energy Sum, NT	1	FLOAT	
5048	Reactive energy L1, ind.	1	FLOAT	
5050	Reactive energy L2, ind.	1	FLOAT	
5052	Reactive energy L3, ind.	1	FLOAT	
5054	Reactive energy Sum, ind.	1	FLOAT	
5056	Reactive energy L1, ind. HT	1	FLOAT	
5058	Reactive energy L2, ind. HT	1	FLOAT	
5060	Reactive energy L3, ind. HT	1	FLOAT	
5062	Reactive energy Sum, ind. HT	1	FLOAT	
5064	Reactive energy L1, ind. NT	1	FLOAT	
5066	Reactive energy L2, ind. NT	1	FLOAT	
5068	Reactive energy L3, ind. NT	1	FLOAT	
5070	Reactive energy Sum, ind. NT	1	FLOAT	
5072	Real energy L1, Supply	1	FLOAT	
5074	Real energy L2, Supply	1	FLOAT	
5076	Real energy L3, Supply	1	FLOAT	
5078	Real energy Sum, Supply	1	FLOAT	
5080	Reactive energy L1, capacitive	1	FLOAT	
5082	Reactive energy L2, capacitive	1	FLOAT	
5084	Reactive energy L3, capacitive	1	FLOAT	
5086	Reactive energy Sum, capacitive	1	FLOAT	
5088	Real energy Sum, without return travel block	1	FLOAT	
5090	Reactive energy Sum, without ret. tra. block	1	FLOAT	
11000	U L1	10	SHORT	VT
11001	U L2	10	SHORT	VT
11002	U L3	10	SHORT	VT
11003	U L1-L2	10	SHORT	VT
11004	U L2-L3	10	SHORT	VT
11005	U L3-L1	10	SHORT	VT
11006	I L1	1000	SHORT	CT
11007	I L2	1000	SHORT	CT
11008	I L3	1000	SHORT	CT
11009	I Sum	1000	SHORT	CT
11010	P L1	10	SHORT	CT VT
11011	P L2	10	SHORT	CT VT
11012	P L3	10	SHORT	CT VT
11013	P Sum	1	SHORT	CT VT
11014	Q L1	10	SHORT	CT VT
11015	Q L2	10	SHORT	CT VT
11016	Q L3	10	SHORT	CT VT
11017	Q Sum	1	SHORT	CT VT
11018	S L1	10	SHORT	CT VT

Address	Designation	Scaling Factor	Type	Remark
11019	S L2	10	SHORT	CT VT
11020	S L3	10	SHORT	CT VT
11021	S Sum	1	SHORT	CT VT
11022	CosPhi L1	1	SHORT	
11023	CosPhi L2	1	SHORT	
11024	CosPhi L3	1	SHORT	
11025	CosPhi Sum	1	SHORT	
11026	Real power, fundamental oscillation, L1	10	SHORT	CT VT
11027	Real power, fundamental oscillation, L2	10	SHORT	CT VT
11028	Real power, fundamental oscillation, L3	10	SHORT	CT VT
11029	1. Harmonic U L1	10	SHORT	VT
11030	3. Harmonic U L1	10	SHORT	VT
11031	5. Harmonic U L1	10	SHORT	VT
11032	7. Harmonic U L1	10	SHORT	VT
11033	9. Harmonic U L1	10	SHORT	VT
11034	11. Harmonic U L1	10	SHORT	VT
11035	13. Harmonic U L1	10	SHORT	VT
11036	15. Harmonic U L1	10	SHORT	VT
11037	17. Harmonic U L1	10	SHORT	VT
11038	19. Harmonic U L1	10	SHORT	VT
11039	21. Harmonic U L1	10	SHORT	VT
11040	23. Harmonic U L1	10	SHORT	VT
11041	25. Harmonic U L1	10	SHORT	VT
11042	1. Harmonic U L2	10	SHORT	VT
11043	3. Harmonic U L2	10	SHORT	VT
11044	5. Harmonic U L2	10	SHORT	VT
11045	7. Harmonic U L2	10	SHORT	VT
11046	9. Harmonic U L2	10	SHORT	VT
11047	11. Harmonic U L2	10	SHORT	VT
11048	13. Harmonic U L2	10	SHORT	VT
11049	15. Harmonic U L2	10	SHORT	VT
11050	17. Harmonic U L2	10	SHORT	VT
11051	19. Harmonic U L2	10	SHORT	VT
11052	21. Harmonic U L2	10	SHORT	VT
11053	23. Harmonic U L2	10	SHORT	VT
11054	25. Harmonic U L2	10	SHORT	VT
11055	1. Harmonic U L3	10	SHORT	VT
11056	3. Harmonic U L3	10	SHORT	VT
11057	5. Harmonic U L3	10	SHORT	VT
11058	7. Harmonic U L3	10	SHORT	VT
11059	9. Harmonic U L3	10	SHORT	VT
11060	11. Harmonic U L3	10	SHORT	VT
11061	13. Harmonic U L3	10	SHORT	VT
11062	15. Harmonic U L3	10	SHORT	VT
11063	17. Harmonic U L3	10	SHORT	VT
11064	19. Harmonic U L3	10	SHORT	VT
11065	21. Harmonic U L3	10	SHORT	VT
11066	23. Harmonic U L3	10	SHORT	VT
11067	25. Harmonic U L3	10	SHORT	VT
11068	1. Harmonic I L1	1000	SHORT	CT
11069	3. Harmonic I L1	1000	SHORT	CT
11070	5. Harmonic I L1	1000	SHORT	CT
11071	7. Harmonic I L1	1000	SHORT	CT
11072	9. Harmonic I L1	1000	SHORT	CT
11073	11. Harmonic I L1	1000	SHORT	CT
11074	13. Harmonic I L1	1000	SHORT	CT
11075	15. Harmonic I L1	1000	SHORT	CT
11076	17. Harmonic I L1	1000	SHORT	CT
11077	19. Harmonic I L1	1000	SHORT	CT
11078	21. Harmonic I L1	1000	SHORT	CT

Address	Designation	Scaling Factor	Type	Remark
11079	23. Harmonic I L1	1000	SHORT	CT
11080	25. Harmonic I L1	1000	SHORT	CT
11081	1. Harmonic I L2	1000	SHORT	CT
11082	3. Harmonic I L2	1000	SHORT	CT
11083	5. Harmonic I L2	1000	SHORT	CT
11084	7. Harmonic I L2	1000	SHORT	CT
11085	9. Harmonic I L2	1000	SHORT	CT
11086	11. Harmonic I L2	1000	SHORT	CT
11087	13. Harmonic I L2	1000	SHORT	CT
11088	15. Harmonic I L2	1000	SHORT	CT
11089	17. Harmonic I L2	1000	SHORT	CT
11090	19. Harmonic I L2	1000	SHORT	CT
11091	22. Harmonic I L2	1000	SHORT	CT
11092	23. Harmonic I L2	1000	SHORT	CT
11093	25. Harmonic I L2	1000	SHORT	CT
11094	1. Harmonic I L3	1000	SHORT	CT
11095	3. Harmonic I L3	1000	SHORT	CT
11096	5. Harmonic I L3	1000	SHORT	CT
11097	7. Harmonic I L3	1000	SHORT	CT
11098	9. Harmonic I L3	1000	SHORT	CT
11099	11. Harmonic I L3	1000	SHORT	CT
11100	13. Harmonic I L3	1000	SHORT	CT
11101	15. Harmonic I L3	1000	SHORT	CT
11102	17. Harmonic I L3	1000	SHORT	CT
11103	19. Harmonic I L3	1000	SHORT	CT
11108	21. Harmonic I L3	1000	SHORT	CT
11109	23. Harmonic I L3	1000	SHORT	CT
11110	25. Harmonic I L3	1000	SHORT	CT
11111	THD U L1	100	SHORT	
11112	THD U L2	100	SHORT	
11113	THD U L3	100	SHORT	
11114	THD I L1	100	SHORT	
11115	THD I L2	100	SHORT	
11116	THD I L3	100	SHORT	
11117	Frequency	100	SHORT	
11118	Zero sequence U	10	SHORT	VT
11119	Postive sequence U	10	SHORT	VT
11120	Negative sequence U	10	SHORT	VT
11121	Zero sequence I	1000	SHORT	CT
11122	Postive sequence I	1000	SHORT	CT
11123	Negative sequence I	1000	SHORT	CT
11124	Distortion power L1	10	SHORT	CT VT
11125	Distortion power L2	10	SHORT	CT VT
11126	Distortion power L3	10	SHORT	CT VT
11127	Distortion power Sum	1	SHORT	CT VT
11128	Rotation field	1	SHORT	+1= right rotary fieldd 0= no rotary field -1= left rotary field
11130	Comparator 1A Lead Time	1	LONG	
11132	Comparator 1B Lead Time	1	LONG	
11134	Comparator 1C Lead Time	1	LONG	
11136	Comparator 2A Lead Time	1	LONG	
11138	Comparator 2B Lead Time	1	LONG	
11140	Comparator 2C Lead Time	1	LONG	
11142	Operating hours counter	1	LONG	
12000	Mean value U L1	10	SHORT	VT
12001	Mean value U L2	10	SHORT	VT
12002	Mean value U L3	10	SHORT	VT

Address	Designation	Scaling Factor	Type	Remark
12003	Mean value U L1-L2	10	SHORT	VT
12004	Mean value U L2-L3	10	SHORT	VT
12005	Mean value U L3-L1	10	SHORT	VT
12006	Mean value I L1	1000	SHORT	CT
12007	Mean value I L2	1000	SHORT	CT
12008	Mean value I L3	1000	SHORT	CT
12009	Mean value I Sum	1000	SHORT	CT
12010	Mean value P L1	10	SHORT	CT VT
12011	Mean value P L2	10	SHORT	CT VT
12012	Mean value P L3	10	SHORT	CT VT
12013	Mean value P Sum	1	SHORT	CT VT
12014	Mean value Q L1	10	SHORT	CT VT
12015	Mean value Q L2	10	SHORT	CT VT
12016	Mean value Q L3	10	SHORT	CT VT
12017	Mean value Q Sum	1	SHORT	CT VT
12018	Mean value S[0]	10	SHORT	CT VT
12019	Mean value S[1]	10	SHORT	CT VT
12020	Mean value S[2]	10	SHORT	CT VT
12021	Mean value S[3]	1	SHORT	CT VT
12022	Mean value Cosphi L1	1	SHORT	
12023	Mean value Cosphi L2	1	SHORT	
12024	Mean value Cosphi L3	1	SHORT	
12025	Mean value Cosphi Sum	1	SHORT	
12026	Mean value P L1	10	SHORT	CT VT
12027	Mean value P L2	10	SHORT	CT VT
12028	Mean value P L3	10	SHORT	CT VT
12029	Mean value 1. Harmonic U L1	10	SHORT	VT
12030	Mean value 3. Harmonic U L1	10	SHORT	VT
12031	Mean value 5. Harmonic U L1	10	SHORT	VT
12032	Mean value 7. Harmonic U L1	10	SHORT	VT
12033	Mean value 9. Harmonic U L1	10	SHORT	VT
12034	Mean value 11. Harmonic U L1	10	SHORT	VT
12035	Mean value 13. Harmonic U L1	10	SHORT	VT
12036	Mean value 15. Harmonic U L1	10	SHORT	VT
12037	Mean value 17. Harmonic U L1	10	SHORT	VT
12038	Mean value 19. Harmonic U L1	10	SHORT	VT
12039	Mean value 21. Harmonic U L1	10	SHORT	VT
12040	Mean value 23. Harmonic U L1	10	SHORT	VT
12041	Mean value 25. Harmonic U L1	10	SHORT	VT
12042	Mean value 1. Harmonic U L2	10	SHORT	VT
12043	Mean value 3. Harmonic U L2	10	SHORT	VT
12044	Mean value 5. Harmonic U L2	10	SHORT	VT
12045	Mean value 7. Harmonic U L2	10	SHORT	VT
12046	Mean value 9. Harmonic U L2	10	SHORT	VT
12047	Mean value 11. Harmonic U L2	10	SHORT	VT
12048	Mean value 13. Harmonic U L2	10	SHORT	VT
12049	Mean value 15. Harmonic U L2	10	SHORT	VT
12050	Mean value 17. Harmonic U L2	10	SHORT	VT
12051	Mean value 19. Harmonic U L2	10	SHORT	VT
12052	Mean value 21. Harmonic U L2	10	SHORT	VT
12053	Mean value 23. Harmonic U L2	10	SHORT	VT
12054	Mean value 25. Harmonic U L2	10	SHORT	VT
12055	Mean value 1. Harmonic U L3	10	SHORT	VT
12056	Mean value 3. Harmonic U L3	10	SHORT	VT
12057	Mean value 5. Harmonic U L3	10	SHORT	VT
12058	Mean value 7. Harmonic U L3	10	SHORT	VT
12059	Mean value 9. Harmonic U L3	10	SHORT	VT
12060	Mean value 11. Harmonic U L3	10	SHORT	VT
12061	Mean value 13. Harmonic U L3	10	SHORT	VT
12062	Mean value 15. Harmonic U L3	10	SHORT	VT

Address	Designation	Scaling Factor	Type	Remark
12063	Mean value 17. Harmonic U L3	10	SHORT	VT
12064	Mean value 19. Harmonic U L3	10	SHORT	VT
12065	Mean value 21. Harmonic U L3	10	SHORT	VT
12066	Mean value 23. Harmonic U L3	10	SHORT	VT
12067	Mean value 25. Harmonic U L3	10	SHORT	VT
12068	Mean value 1. Harmonic I L1	1000	SHORT	CT
12069	Mean value 3. Harmonic I L1	1000	SHORT	CT
12070	Mean value 5. Harmonic I L1	1000	SHORT	CT
12071	Mean value 7. Harmonic I L1	1000	SHORT	CT
12072	Mean value 9. Harmonic I L1	1000	SHORT	CT
12073	Mean value 11. Harmonic I L1	1000	SHORT	CT
12074	Mean value 13. Harmonic I L1	1000	SHORT	CT
12075	Mean value 15. Harmonic I L1	1000	SHORT	CT
12076	Mean value 17. Harmonic I L1	1000	SHORT	CT
12077	Mean value 19. Harmonic I L1	1000	SHORT	CT
12078	Mean value 21. Harmonic I L1	1000	SHORT	CT
12079	Mean value 23. Harmonic I L1	1000	SHORT	CT
12080	Mean value 25. Harmonic I L1	1000	SHORT	CT
12081	Mean value 1. Harmonic I L1	1000	SHORT	CT
12082	Mean value 3. Harmonic I L1	1000	SHORT	CT
12083	Mean value 5. Harmonic I L1	1000	SHORT	CT
12084	Mean value 7. Harmonic I L1	1000	SHORT	CT
12085	Mean value 9. Harmonic I L1	1000	SHORT	CT
12086	Mean value 11. Harmonic I L1	1000	SHORT	CT
12087	Mean value 13. Harmonic I L1	1000	SHORT	CT
12088	Mean value 15. Harmonic I L1	1000	SHORT	CT
12089	Mean value 17. Harmonic I L1	1000	SHORT	CT
12090	Mean value 19. Harmonic I L1	1000	SHORT	CT
12091	Mean value 21. Harmonic I L1	1000	SHORT	CT
12092	Mean value 23. Harmonic I L1	1000	SHORT	CT
12093	Mean value 25. Harmonic I L1	1000	SHORT	CT
12094	Mean value 1. Harmonic I L2	1000	SHORT	CT
12095	Mean value 3. Harmonic I L2	1000	SHORT	CT
12096	Mean value 5. Harmonic I L2	1000	SHORT	CT
12097	Mean value 7. Harmonic I L2	1000	SHORT	CT
12098	Mean value 9. Harmonic I L2	1000	SHORT	CT
12099	Mean value 11. Harmonic I L2	1000	SHORT	CT
12100	Mean value 13. Harmonic I L2	1000	SHORT	CT
12101	Mean value 15. Harmonic I L2	1000	SHORT	CT
12102	Mean value 17. Harmonic I L2	1000	SHORT	CT
12103	Mean value 19. Harmonic I L2	1000	SHORT	CT
12104	Mean value 21. Harmonic I L2	1000	SHORT	CT
12105	Mean value 23. Harmonic I L2	1000	SHORT	CT
12106	Mean value 25. Harmonic I L2	1000	SHORT	CT
12107	Mean value THD U L1	100	SHORT	
12108	Mean value THD U L2	100	SHORT	
12109	Mean value THD U L3	100	SHORT	
12110	Mean value THD I L1	100	SHORT	
12111	Mean value THD I L2	100	SHORT	
12112	Mean value THD I L3	100	SHORT	
12113	Mean value Frequency	100	SHORT	
12114	Mean value Zero sequence U	10	SHORT	VT
12115	Mean value Postive sequence U	10	SHORT	VT
12116	Mean value Negative sequence U	10	SHORT	VT
12117	Mean value Zero sequence I	1000	SHORT	CT
12118	Mean value Postive sequence I	1000	SHORT	CT
12119	Mean value Negative sequence I	1000	SHORT	CT
12120	Mean value Distortion power L1	10	SHORT	CT VT
12121	Mean value Distortion power L2	10	SHORT	CT VT
12122	Mean value Distortion power L3	10	SHORT	CT VT

Address	Designation	Scaling Factor	Type	Remark
12123	Mean value Distortion power L4	1	SHORT	CT VT
13000	Max. value U L1	10	SHORT	VT
13002	Max. value U L2	10	SHORT	VT
13004	Max. value U L3	10	SHORT	VT
13006	Max. value U L1-L2	10	SHORT	VT
13008	Max. value U L2-L3	10	SHORT	VT
13010	Max. value U L3-L1	10	SHORT	VT
13012	Max. value I L1	1000	SHORT	CT
13014	Max. value I L2	1000	SHORT	CT
13016	Max. value I L3	1000	SHORT	CT
13018	Max. value I Sum	1000	SHORT	CT
13020	Max. value P L1	10	SHORT	CT VT
13022	Max. value P L2	10	SHORT	CT VT
13024	Max. value P L3	10	SHORT	CT VT
13026	Max. value P Sum	1	SHORT	CT VT
13028	Max. value Q L1	10	SHORT	CT VT
13030	Max. value Q L2	10	SHORT	CT VT
13032	Max. value Q L3	10	SHORT	CT VT
13034	Max. value Q Sum	1	SHORT	CT VT
13036	Max. value S L1	10	SHORT	CT VT
13038	Max. value S L2	10	SHORT	CT VT
13040	Max. value S L3	10	SHORT	CT VT
13042	Max. value S Sum	10	SHORT	CT VT
13044	Max. value CosPhi L1	100	SHORT	
13046	Max. value CosPhi L2	100	SHORT	
13048	Max. value CosPhi L3	100	SHORT	
13050	Max. value CosPhi Sum	100	SHORT	
13052	Max. value real power, fund. oscillation L1	10	SHORT	CT VT
13054	Max. value real power, fund. oscillation L2	10	SHORT	CT VT
13056	Max. value real power, fund. oscillation L3	10	SHORT	CT VT
13058	Max. value 1. Harmonic U L1	10	SHORT	VT
13060	Max. value 3. Harmonic U L1	10	SHORT	VT
13062	Max. value 5. Harmonic U L1	10	SHORT	VT
13064	Max. value 7. Harmonic U L1	10	SHORT	VT
13066	Max. value 9. Harmonic U L1	10	SHORT	VT
13068	Max. value 11. Harmonic U L1	10	SHORT	VT
13070	Max. value 13. Harmonic U L1	10	SHORT	VT
13072	Max. value 15. Harmonic U L1	10	SHORT	VT
13074	Max. value 17. Harmonic U L1	10	SHORT	VT
13076	Max. value 19. Harmonic U L1	10	SHORT	VT
13078	Max. value 21. Harmonic U L1	10	SHORT	VT
13080	Max. value 23. Harmonic U L1	10	SHORT	VT
13082	Max. value 25. Harmonic U L1	10	SHORT	VT
13084	Max. value 1. Harmonic U L2	10	SHORT	VT
13086	Max. value 3. Harmonic U L2	10	SHORT	VT
13088	Max. value 5. Harmonic U L2	10	SHORT	VT
13090	Max. value 7. Harmonic U L2	10	SHORT	VT
13092	Max. value 9. Harmonic U L2	10	SHORT	VT
13094	Max. value 11. Harmonic U L2	10	SHORT	VT
13096	Max. value 13. Harmonic U L2	10	SHORT	VT
13098	Max. value 15. Harmonic U L2	10	SHORT	VT
13100	Max. value 17. Harmonic U L2	10	SHORT	VT
13102	Max. value 19. Harmonic U L2	10	SHORT	VT
12104	Max. value 21. Harmonic U L2	10	SHORT	VT
13106	Max. value 23. Harmonic U L2	10	SHORT	VT
13108	Max. value 25. Harmonic U L2	10	SHORT	VT
13110	Max. value 1. Harmonic U L3	10	SHORT	VT
13112	Max. value 3. Harmonic U L3	10	SHORT	VT
13114	Max. value 5. Harmonic U L3	10	SHORT	VT

Address	Designation	Scaling Factor	Type	Remark
13116	Max. value 7. Harmonic U L3	10	SHORT	VT
13118	Max. value 9. Harmonic U L3	10	SHORT	VT
13120	Max. value 11. Harmonic U L3	10	SHORT	VT
13122	Max. value 13. Harmonic U L3	10	SHORT	VT
13124	Max. value 15. Harmonic U L3	10	SHORT	VT
13126	Max. value 17. Harmonic U L3	10	SHORT	VT
13128	Max. value 19. Harmonic U L3	10	SHORT	VT
13130	Max. value 21. Harmonic U L3	10	SHORT	VT
13132	Max. value 23. Harmonic U L3	10	SHORT	VT
13134	Max. value 25. Harmonic U L3	10	SHORT	VT
13136	Max. value 1. Harmonic I L1	1000	SHORT	CT
13138	Max. value 3. Harmonic I L1	1000	SHORT	CT
13140	Max. value 5. Harmonic I L1	1000	SHORT	CT
13142	Max. value 7. Harmonic I L1	1000	SHORT	CT
13144	Max. value 9. Harmonic I L1	1000	SHORT	CT
13146	Max. value 11. Harmonic I L1	1000	SHORT	CT
13148	Max. value 13. Harmonic I L1	1000	SHORT	CT
13150	Max. value 15. Harmonic I L1	1000	SHORT	CT
13152	Max. value 17. Harmonic I L1	1000	SHORT	CT
13154	Max. value 19. Harmonic I L1	1000	SHORT	CT
13156	Max. value 21. Harmonic I L1	1000	SHORT	CT
13158	Max. value 23. Harmonic I L1	1000	SHORT	CT
13160	Max. value 25. Harmonic I L1	1000	SHORT	CT
13162	Max. value 1. Harmonic I L2	1000	SHORT	CT
13164	Max. value 3. Harmonic I L2	1000	SHORT	CT
13166	Max. value 5. Harmonic I L2	1000	SHORT	CT
13168	Max. value 7. Harmonic I L2	1000	SHORT	CT
13170	Max. value 9. Harmonic I L2	1000	SHORT	CT
13172	Max. value 11. Harmonic I L2	1000	SHORT	CT
13174	Max. value 13. Harmonic I L2	1000	SHORT	CT
13176	Max. value 15. Harmonic I L2	1000	SHORT	CT
13178	Max. value 17. Harmonic I L2	1000	SHORT	CT
13180	Max. value 19. Harmonic I L2	1000	SHORT	CT
13182	Max. value 21. Harmonic I L2	1000	SHORT	CT
13184	Max. value 23. Harmonic I L2	1000	SHORT	CT
13186	Max. value 25. Harmonic I L2	1000	SHORT	CT
13188	Max. value 1. Harmonic I L3	1000	SHORT	CT
13190	Max. value 3. Harmonic I L3	1000	SHORT	CT
13192	Max. value 5. Harmonic I L3	1000	SHORT	CT
13194	Max. value 7. Harmonic I L3	1000	SHORT	CT
13196	Max. value 9. Harmonic I L3	1000	SHORT	CT
13198	Max. value 11. Harmonic I L3	1000	SHORT	CT
13200	Max. value 13. Harmonic I L3	1000	SHORT	CT
13202	Max. value 15. Harmonic I L3	1000	SHORT	CT
13204	Max. value 17. Harmonic I L3	1000	SHORT	CT
13206	Max. value 19. Harmonic I L3	1000	SHORT	CT
13208	Max. value 21. Harmonic I L3	1000	SHORT	CT
13210	Max. value 23. Harmonic I L3	1000	SHORT	CT
13212	Max. value 25. Harmonic I L3	1000	SHORT	CT
13214	Max. value THD U L1	100	SHORT	
13216	Max. value THD U L2	100	SHORT	
13218	Max. value THD U L3	100	SHORT	
13220	Max. value THD I L1	100	SHORT	
13222	Max. value THD I L2	100	SHORT	
13224	Max. value THD I L3	100	SHORT	
13226	Max. value Frequency	100	SHORT	
13228	Max. value Zero sequence	10	SHORT	VT
13230	Max. value Postive sequence	10	SHORT	VT
13232	Max. value Negative sequence	10	SHORT	VT
13234	Max. value Zero sequence	1000	SHORT	CT

Address	Designation	Scaling Factor	Type	Remark
13236	Max. value Postive sequence	1000	SHORT	CT
13238	Max. value Negative sequence	1000	SHORT	CT
13240	Max. value distortion power L1	10	SHORT	CT VT
13242	Max. value Distortion power L2	10	SHORT	CT VT
13244	Max. value Distortion power L3	10	SHORT	CT VT
13246	Max. value Distortion power L4	1	SHORT	CT VT
13248	Max. value Mean value, I L1	1000	SHORT	CT
13250	Max. value Mean value, I L2	1000	SHORT	CT
13252	Max. value Mean value, I L3	1000	SHORT	CT
13254	Max. value Mean value, I Sum (N)	1	SHORT	CT
13256	Max. of Mean value P L1	10	SHORT	CT VT
13258	Max. of Mean value P L2	10	SHORT	CT VT
13260	Max. of Mean value P L3	10	SHORT	CT VT
13262	Max. of Mean value P Sum	1	SHORT	CT VT
14000	Min. value U L1	10	SHORT	VT
14001	Min. value U L2	10	SHORT	VT
14002	Min. value U L3	10	SHORT	VT
14003	Min. value U L1-L2	10	SHORT	VT
14004	Min. value U L2-L3	10	SHORT	VT
14005	Min. value U L3-L1	10	SHORT	VT
14006	Min. value CosPhi L1	1	SHORT	
14007	Min. value CosPhi L2	1	SHORT	
14008	Min. value CosPhi L3	1	SHORT	
14009	Min. value CosPhi Sum	1	SHORT	
14010	Min. value 1. Harmonic U L1	10	SHORT	VT
14011	Min. value 3. Harmonic U L1	10	SHORT	VT
14012	Min. value 5. Harmonic U L1	10	SHORT	VT
14013	Min. value 7. Harmonic U L1	10	SHORT	VT
14014	Min. value 9. Harmonic U L1	10	SHORT	VT
14015	Min. value 11. Harmonic U L1	10	SHORT	VT
14016	Min. value 13. Harmonic U L1	10	SHORT	VT
14017	Min. value 15. Harmonic U L1	10	SHORT	VT
14018	Min. value 17. Harmonic U L1	10	SHORT	VT
14019	Min. value 19. Harmonic U L1	10	SHORT	VT
14020	Min. value 21. Harmonic U L1	10	SHORT	VT
14021	Min. value 23. Harmonic U L1	10	SHORT	VT
14022	Min. value 25. Harmonic U L1	10	SHORT	VT
14023	Min. value 1. Harmonic U L2	10	SHORT	VT
14024	Min. value 3. Harmonic U L2	10	SHORT	VT
14025	Min. value 5. Harmonic U L2	10	SHORT	VT
14026	Min. value 7. Harmonic U L2	10	SHORT	VT
14027	Min. value 9. Harmonic U L2	10	SHORT	VT
14028	Min. value 11. Harmonic U L2	10	SHORT	VT
14029	Min. value 13. Harmonic U L2	10	SHORT	VT
14030	Min. value 15. Harmonic U L2	10	SHORT	VT
14031	Min. value 17. Harmonic U L2	10	SHORT	VT
14032	Min. value 19. Harmonic U L2	10	SHORT	VT
14033	Min. value 23. Harmonic U L2	10	SHORT	VT
14034	Min. value 25. Harmonic U L2	10	SHORT	VT
14035	Min. value 1. Harmonic U L3	10	SHORT	VT
14036	Min. value 3. Harmonic U L3	10	SHORT	VT
14037	Min. value 5. Harmonic U L3	10	SHORT	VT
14038	Min. value 7. Harmonic U L3	10	SHORT	VT
14039	Min. value 9. Harmonic U L3	10	SHORT	VT
14040	Min. value 11. Harmonic U L3	10	SHORT	VT
14041	Min. value 13. Harmonic U L3	10	SHORT	VT
14042	Min. value 15. Harmonic U L3	10	SHORT	VT
14043	Min. value 17. Harmonic U L3	10	SHORT	VT
14044	Min. value 19. Harmonic U L3	10	SHORT	VT

Address	Designation	Scaling Factor	Type	Remark
14045	Min. value 21. Harmonic U L3	10	SHORT	VT
14046	Min. value 23. Harmonic U L3	10	SHORT	VT
14047	Min. value 23. Harmonic U L3	10	SHORT	VT
14048	Min. value 25. Harmonic U L3	10	SHORT	VT
14049	Min. value THD U L1	100	SHORT	
14050	Min. value THD U L2	100	SHORT	
14051	Min. value THD U L3	100	SHORT	
14052	Min. value Frequency	100	SHORT	
14053	Min. value Zero sequence U	10	SHORT	VT
14054	Min. value Postive sequence U	10	SHORT	VT
14055	Min. value Negative sequence U	10	SHORT	VT
15000	Real energy consumption L1	1	LONG	
15002	Real energy consumption L2	1	LONG	
15004	Real energy consumption L3	1	LONG	
15006	Real energy consumption Sum	1	LONG	
15008	Real energy consumption HT L1	1	LONG	
15010	Real energy consumption HT L2	1	LONG	
15012	Real energy consumption HT L3	1	LONG	
15014	Real energy consumption HT Sum	1	LONG	
15016	Real energy consumption NT L1	1	LONG	
15018	Real energy consumption NT L1	1	LONG	
15020	Real energy consumption NT L1	1	LONG	
15022	Real energy consumption NT L1	1	LONG	
15024	Apparent energy L1	1	LONG	
15026	Apparent energy L2	1	LONG	
15028	Apparent energy L3	1	LONG	
15030	Apparent energy Sum	1	LONG	
15032	Apparent energy HT L1	1	LONG	
15034	Apparent energy HT L2	1	LONG	
15036	Apparent energy HT L3	1	LONG	
15038	Apparent energy HT Sum	1	LONG	
15040	Apparent energy NT L1	1	LONG	
15042	Apparent energy NT L2	1	LONG	
15044	Apparent energy NT L3	1	LONG	
15046	Apparent energy NT Sum	1	LONG	
15048	Reactive energy induktiv L1	1	LONG	
15050	Reactive energy induktiv L2	1	LONG	
15052	Reactive energy induktiv L3	1	LONG	
15054	Reactive energy induktiv Sum	1	LONG	
15056	Reactive energy induktiv HT L1	1	LONG	
15058	Reactive energy induktiv HT L2	1	LONG	
15060	Reactive energy induktiv HT L3	1	LONG	
15062	Reactive energy induktiv HT Sum	1	LONG	
15064	Reactive energy induktiv NT L1	1	LONG	
15066	Reactive energy induktiv NT L2	1	LONG	
15068	Reactive energy induktiv NT L3	1	LONG	
15070	Reactive energy induktiv NT Sum	1	LONG	
15072	Real energy geliefert L1	1	LONG	
15074	Real energy geliefert L2	1	LONG	
15076	Real energy geliefert L3	1	LONG	
15078	Real energy geliefert Sum	1	LONG	
15080	Reactive energy capacitive L1	1	LONG	
15082	Reactive energy capacitive L2	1	LONG	
15084	Reactive energy capacitive L3	1	LONG	
15086	Reactive energy capacitive Sum	1	LONG	
15088	Real energy Sum, without return travel block	1	LONG	
15090	Reactive energy Sum, without ret. trav. block	1	LONG	

Address	Designation	Scaling Factor	Type	Remark