ŞEBEKE ANALİZÖRÜ
MPR-53S

MODBUS REGISTER TABLOSU

MODBUS REGISTER TABLOSU							
ADDRESS	**ADDRESS (HEX)**	**REGISTER**	**R/W**	**RANGE**	**UNIT**	**MULTIPLIER**	**FORMAT**
0	0000	L1 FAZ GERİLİMİ	R	(0-3000)xUT	Volt	0.1	unsigned int
2	0002	L2 FAZ GERİLİMİ	R	(0-3000)xUT	Volt	0.1	unsigned int
4	0004	L3 FAZ GERİLİMİ	R	(0-3000)xUT	Volt	0.1	unsigned int
6	0006	L1 FAZ AKIMI	R	(0-6000)xCT	Amper	0.001	unsigned int
8	0008	L2 FAZ AKIMI	R	(0-6000)xCT	Amper	0.001	unsigned int
10	000A	L3 FAZ AKIMI	R	(0-6000)xCT	Amper	0.001	unsigned int
12	000C	NÖTR AKIMI	R	(0-6000)xCT	Amper	0.001	unsigned int
14	000E	L1-L2 FAZ-FAZ GERİLİMİ	R	(0-5000)xUT	Volt	0.1	unsigned int
16	0010	L2-L3 FAZ-FAZ GERİLİMİ	R	(0-5000)xUT	Volt	0.1	unsigned int
18	0012	L3-L1 FAZ-FAZ GERİLİMİ	R	(0-5000)xUT	Volt	0.1	unsigned int
20	0014	L1 FAZ AKTİF GÜÇ	R	(-18000 - 18000)xCTxVT	Watt	0.1	int
22	0016	L2 FAZ AKTİF GÜÇ	R	(-18000 - 18000)xCTxVT	Watt	0.1	int
24	0018	L3 FAZ AKTİF GÜÇ	R	(-18000 - 18000)xCTxVT	Watt	0.1	int
26	001A	L1 FAZ REAKTİF GÜÇ	R	(-18000 - 18000)xCTxVT	Var	0.1	int
28	001C	L2 FAZ REAKTİF GÜÇ	R	(-18000 - 18000)xCTxVT	Var	0.1	int
30	001E	L3 FAZ REAKTİF GÜÇ	R	(-18000 - 18000)xCTxVT	Var	0.1	int
32	0020	L1 FAZ GÖRÜNÜR GÜÇ	R	(0 -18000)xCTxVT	VA	0.1	unsigned int
34	0022	L2 FAZ GÖRÜNÜR GÜÇ	R	(0 -18000)xCTxVT	VA	0.1	unsigned int
36	0024	L3 FAZ GÖRÜNÜR GÜÇ	R	(0 -18000)xCTxVT	VA	0.1	unsigned int
38	0026	L1 FAZ COSφ	R	(-1000 -1000)	-	0.001	int
40	0028	L2 FAZ COSφ	R	(-1000 -1000)	-	0.001	int
42	002A	L3 FAZ COSφ	R	(-1000 -1000)	-	0.001	int
44	002C	TOPLAM İMPORT AKTİF GÜÇ	R	(0 -54000)xCTxVT	Watt	0.1	int
46	002E	TOPLAM EXPORT AKTİF GÜÇ	R	(0 -54000)xCTxVT	Watt	0.1	int
48	0030	TOPLAM İNDÜKTİF REAKTİF GÜÇ	R	(0 -54000)xCTxVT	Var	0.1	int
50	0032	TOPLAM KAPASİTİF REAKTİF GÜÇ	R	(0 -54000)xCTxVT	Var	0.1	int
52	0034	TOPLAM GÖRÜNÜR GÜÇ	R	(0 -54000)xCTxVT	VA	0.1	unsigned int
54	0036	ORTALAMA İNDÜKTİF COSφ	R	(-1000 -1000)	-	0.001	int
56	0038	ORTALAMA KAPASİTİF COSφ	R	(-1000 -1000)	-	0.001	int
58	003A	FREKANS	R	(4000 -7000)	Hz	0.01	unsigned int
60	003C	L1 FAZ GERİLİM AÇISI	R	0-360	Derece	1	unsigned int
62	003E	L2 FAZ GERİLİM AÇISI	R	0-360	Derece	1	unsigned int
64	0040	L3 FAZ GERİLİM AÇISI	R	0-360	Derece	1	unsigned int
66	0042	L1 FAZ AKIM AÇISI	R	0-360	Derece	1	unsigned int
68	0044	L2 FAZ AKIM AÇISI	R	0-360	Derece	1	unsigned int
70	0046	L3 FAZ AKIM AÇISI	R	0-360	Derece	1	unsigned int
72	0048	L1 FAZ GERİLİM THD	R	0-999	%	0.1	unsigned int
74	004A	L2 FAZ GERİLİM THD	R	0-999	%	0.1	unsigned int
76	004C	L3 FAZ GERİLİM THD	R	0-999	%	0.1	unsigned int
78	004E	L1 FAZ AKIM THD	R	0-999	%	0.1	unsigned int
80	0050	L2 FAZ AKIM THD	R	0-999	%	0.1	unsigned int
82	0052	L3 FAZ AKIM THD	R	0-999	%	0.1	unsigned int
84	0054	DİJİTAL GİRİŞ DURUMU	R	-	-	-	-
86	0056	İMPORT AKTİF ENERJİ-1	R/W	0-FFFFFFFFFFFFFFFF	Wh	1	long int
88	0058		R/W	0-FFFFFFFFFFFFFFFF	Wh	1	long int
90	005A	EXPORT AKTİF ENERJİ-1	R/W	0-FFFFFFFFFFFFFFFF	Wh	1	long int
92	005C		R/W	0-FFFFFFFFFFFFFFFF	Wh	1	long int
94	005E	İNDÜKTİF REAKTİF ENERJİ-1	R/W	0-FFFFFFFFFFFFFFFF	VArh	1	long int
96	0060		R/W	0-FFFFFFFFFFFFFFFF	VArh	1	long int
98	0062	KAPASİTİF REAKTİF ENERJİ-1	R/W	0-FFFFFFFFFFFFFFFF	VArh	1	long int
100	0064		R/W	0-FFFFFFFFFFFFFFFF	VArh	1	long int
102	0066	İMPORT AKTİF ENERJİ-2	R/W	0-FFFFFFFFFFFFFFFF	Wh	1	long int
104	0068		R/W	0-FFFFFFFFFFFFFFFF	Wh	1	long int
106	006A	EXPORT AKTİF ENERJİ-2	R/W	0-FFFFFFFFFFFFFFFF	Wh	1	long int
108	006C		R/W	0-FFFFFFFFFFFFFFFF	Wh	1	long int
110	006E	İNDÜKTİF REAKTİF ENERJİ-2	R/W	0-FFFFFFFFFFFFFFFF	VArh	1	long int
112	0070		R/W	0-FFFFFFFFFFFFFFFF	VArh	1	long int
114	0072	KAPASİTİF REAKTİF ENERJİ-2	R/W	0-FFFFFFFFFFFFFFFF	VArh	1	long int
116	0074		R/W	0-FFFFFFFFFFFFFFFF	VArh	1	long int
118	0076	L1 FAZ MİN. GERİLİM	R/W	(0-3000)xUT	Volt	0.1	unsigned int
120	0078	L2 FAZ MİN. GERİLİM	R/W	(0-3000)xUT	Volt	0.1	unsigned int
122	007A	L3 FAZ MİN. GERİLİM	R/W	(0-3000)xUT	Volt	0.1	unsigned int
124	007C	L1-L2 FAZ-FAZ MİN. GERİLİM	R/W	(0-3000)xUT	Volt	0.1	unsigned int
126	007E	L2-L3 FAZ-FAZ MİN. GERİLİM	R/W	(0-3000)xUT	Volt	0.1	unsigned int
128	0080	L3-L1 FAZ-FAZ MİN. GERİLİM	R/W	(0-3000)xUT	Volt	0.1	unsigned int
130	0082	L1 FAZ MİN. AKIM	R/W	(0-6000)xCT	Amper	0.001	unsigned int
132	0084	L2 FAZ MİN. AKIM	R/W	(0-6000)xCT	Amper	0.001	unsigned int
134	0086	L3 FAZ MİN. AKIM	R/W	(0-6000)xCT	Amper	0.001	unsigned int
136	0088	L1 FAZ MİN. AKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
138	008A	L2 FAZ MİN. AKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
140	008C	L3 FAZ MİN. AKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
142	008E	L1 FAZ MİN. REAKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
144	0090	L2 FAZ MİN. REAKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
146	0092	L3 FAZ MİN. REAKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
148	0094	L1 FAZ MİN. GÖRÜNÜR GÜÇ	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
150	0096	L2 FAZ MİN. GÖRÜNÜR GÜÇ	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int

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MODBUS REGISTER TABLOSU

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ADDRESS	ADDRESS (HEX)	REGISTER	R/W	RANGE	UNIT	MULTIPLIER	FORMAT
152	0098	L3 FAZ MİN. GÖRÜNÜR GÜÇ	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
154	009A	TOPLAM MİN. İMPORT AKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
156	009C	TOPLAM MİN. EXPORT AKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
158	009E	TOPLAM MİN. İNDÜKTİF REAKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
160	00A0	TOPLAM MİN. KAPASİTİF REAKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
162	00A2	TOPLAM MİN. GÖRÜNÜR GÜÇ	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
164	00A4	L1 FAZ MAX. GERİLİM	R/W	(0-3000)xUT	Volt	0.1	unsigned int
166	00A6	L2 FAZ MAX. GERİLİM	R/W	(0-3000)xUT	Volt	0.1	unsigned int
168	00A8	L3 FAZ MAX. GERİLİM	R/W	(0-3000)xUT	Volt	0.1	unsigned int
170	00AA	L1-L2 FAZ-FAZ MAX. GERİLİM	R/W	(0-5000)xUT	Volt	0.1	unsigned int
172	00AC	L2-L3 FAZ-FAZ MAX. GERİLİM	R/W	(0-5000)xUT	Volt	0.1	unsigned int
174	00AE	L3-L1 FAZ-FAZ MAX. GERİLİM	R/W	(0-5000)xUT	Volt	0.1	unsigned int
176	00B0	L1 FAZ MAX. AKIM	R/W	(0-6000)xCT	Amper	0.001	unsigned int
178	00B2	L2 FAZ MAX. AKIM	R/W	(0-6000)xCT	Amper	0.001	unsigned int
180	00B4	L3 FAZ MAX. AKIM	R/W	(0-6000)xCT	Amper	0.001	unsigned int
182	00B6	L1 FAZ MAX. AKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
184	00B8	L2 FAZ MAX. AKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
186	00BA	L3 FAZ MAX. AKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
188	00BC	L1 FAZ MAX. REAKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
190	00BE	L2 FAZ MAX. REAKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
192	00C0	L3 FAZ MAX. REAKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
194	00C2	L1 FAZ MAX. GÖRÜNÜR GÜÇ	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
196	00C4	L2 FAZ MAX. GÖRÜNÜR GÜÇ	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
198	00C6	L3 FAZ MAX. GÖRÜNÜR GÜÇ	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
200	00C8	TOPLAM MAX. İMPORT AKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
202	00CA	TOPLAM MAX. EXPORT AKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
204	00CC	TOPLAM MAX. İNDÜKTİF REAKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
206	00CE	TOPLAM MAX. KAPASİTİF REAKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
208	00D0	TOPLAM MAX. GÖRÜNÜR GÜÇ	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
210	00D2	L1 FAZ MAX. AKIM DEMAND	R/W	(0-6000)xCT	Amper	0.001	unsigned int
212	00D4	L2 FAZ MAX. AKIM DEMAND	R/W	(0-6000)xCT	Amper	0.001	unsigned int
214	00D6	L3 FAZ MAX. AKIM DEMAND	R/W	(0-6000)xCT	Amper	0.001	unsigned int
216	00D8	L1 FAZ İMPORT MAX. DEMAND AKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
218	00DA	L1 FAZ EXPORT MAX. DEMAND AKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
220	00DC	L2 FAZ IMPORT MAX. DEMAND AKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
222	00DE	L2 FAZ EXPORT MAX. DEMAND AKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
224	00E0	L3 FAZ IMPORT MAX. DEMAND AKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
226	00E2	L3 FAZ EXPORT MAX. DEMAND AKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
228	00E4	L1 FAZ İNDÜKTİF MAX. DEMAND REAKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
230	00E6	L1 FAZ KAPASİTİF MAX. DEMAND REAKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
232	00E8	L2 FAZ İNDÜKTİF MAX. DEMAND REAKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
234	00EA	L2 FAZ KAPASİTİF MAX. DEMAND REAKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
236	00EC	L3 FAZ İNDÜKTİF MAX. DEMAND REAKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
238	00EE	L3 FAZ KAPASİTİF MAX. DEMAND REAKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
240	00F0	L1 FAZ MAX. DEMAND GÖRÜNÜR GÜÇ	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
242	00F2	L2 FAZ MAX. DEMAND GÖRÜNÜR GÜÇ	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
244	00F4	L3 FAZ MAX. DEMAND GÖRÜNÜR GÜÇ	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
246	00F6	TOPLAM İMPORT MAX. DEMAND AKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
248	00F8	TOPLAM EXPORT MAX. DEMAND AKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
250	00FA	TOPLAM İNDÜKTİF MAX. DEMAND REAKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
252	00FC	TOPLAM KAPASİTİF MAX. DEMAND REAKTİF GÜÇ	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
254	00FE	TOPLAM MAX. DEMAND GÖRÜNÜR GÜÇ	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int

ADDRESS	ADDRESS (HEX)	REGISTER	R/W	RANGE	UNIT	MULTIPLIER	FORMAT
32768	8000	GERİLİM TRAFO ORANI	R/W	0-40000	-	0.1	short-int
32769	8001	AKIM TRAFO ORANI	R/W	0-2000	-	1	short-int
32770	8002	HESAPLAMA METODU	R/W	0-5	-	-	short-int
32771	8003	DEMAND ZAMANI	R/W	1-60	dakika	1	short-int
32772	8004	PULSE ORANI	R/W	0-6	-	-	short-int
32773	8005	PULSE ÇIKIŞ 1 PARAMETRE AYARI	R/W	0-5	-	-	short-int
32774	8006	PULSE ÇIKIŞ 2 PARAMETRE AYARI	R/W	0-5	-	-	short-int
32775	8007	ENERJİ SAYACI 1 SEÇİMİ	R/W	0-3	-	-	short-int
32776	8008	ENERJİ SAYACI 2 SEÇİMİ	R/W	0-3	-	-	short-int
32777	8009	HABERLEŞME ADRESİ	R/W	0 - 247	-	-	short-int
32778	800A	BAUD RATE	R/W	1 - 5	-	-	short-int
32779	800B	PARITY	R/W	0 - 2	-	-	short-int
32780	800C	ŞİFRE ETKİNLEŞTİRME	R/W	0-1	-	-	short-int
32781	800D	ŞİFRE	R/W	0-9999	-	-	short-int

PULSE ÇIKIŞ 1-2
PARAMETRE AYARI 0-5 :
0: Aktif
1: Aktif İmport
2: Aktif Export
3: Reaktif
4: Reaktif İmport
5: Reaktif Export

PULSE RATIO 0-6 :
0: 1 Watt / Pulse
1: 10 Watt / Pulse
2: 100 Watt / Pulse
3: 1 kW / Pulse
4: 10 kW / Pulse
5: 100 kW / Pulse
6: 1 MW / Pulse

CALCULATION 0-5 :
Sayfa 2'de "Reaktif Enerji Hesaplama Methot Ayarı"na bakınız.

ENERJİ SAYACI 1 SEÇİMİ 0-3 :
0 : On (EC -Enerji sayacı- bütün durumlarda sayar)
1: EC "Dijital Giriş 1" 1 olduğu sürece sayar (1=aktif)
2: EC "Dijital Giriş 2" 1 olduğu sürece sayar (1=aktif)
3: Enerji Sayacı 2 saymadığı zaman sayar.

ENERJİ SAYACI 2 SEÇİMİ 0-3 :
0 : On (EC -Enerji sayacı- bütün durumlarda sayar)
1: EC "Dijital Giriş 1" 1 olduğu sürece sayar (1=aktif)
2: EC "Dijital Giriş 2" 1 olduğu sürece sayar (1=aktif)
3: Enerji Sayacı 1 saymadığı zaman sayar.

BAUD RATE 1-5 :
1: 38400 bps
2: 19200 bps
3: 9600 bps
4: 4800 bps
5: 2400 bps

PARITY 0-2 :
0: No
1: Odd
2: Even

ŞİFRE ETKİNLEŞTİRME 0-1 :
0: Aktif değil
1: Aktif

NETWORK ANALYSER
MPR-53S

MODBUS REGISTER MAP

MODBUS REGISTER MAP							
ADDRESS	ADDRESS (HEX)	REGISTER	R/W	RANGE	UNIT	MULTIPLIER	FORMAT
0	0000	L1 PHASE VOLTAGE	R	(0-3000)xUT	Volt	0.1	unsigned int
2	0002	L2 PHASE VOLTAGE	R	(0-3000)xUT	Volt	0.1	unsigned int
4	0004	L3 PHASE VOLTAGE	R	(0-3000)xUT	Volt	0.1	unsigned int
6	0006	L1 PHASE CURRENT	R	(0-6000)xCT	Amper	0.001	unsigned int
8	0008	L2 PHASE CURRENT	R	(0-6000)xCT	Amper	0.001	unsigned int
10	000A	L3 PHASE CURRENT	R	(0-6000)xCT	Amper	0.001	unsigned int
12	000C	NEUTRAL CURRENT	R	(0-6000)xCT	Amper	0.001	unsigned int
14	000E	L1-L2 PHASE-PHASE VOLTAGE	R	(0-5000)xUT	Volt	0.1	unsigned int
16	0010	L2-L3 PHASE-PHASE VOLTAGE	R	(0-5000)xUT	Volt	0.1	unsigned int
18	0012	L3-L1 PHASE-PHASE VOLTAGE	R	(0-5000)xUT	Volt	0.1	unsigned int
20	0014	L1 PHASE ACTIVE POWER	R	(-18000 - 18000)xCTxVT	Watt	0.1	int
22	0016	L2 PHASE ACTIVE POWER	R	(-18000 - 18000)xCTxVT	Watt	0.1	int
24	0018	L3 PHASE ACTIVE POWER	R	(-18000 - 18000)xCTxVT	Watt	0.1	int
26	001A	L1 PHASE REACTIVE POWER	R	(-18000 - 18000)xCTxVT	Var	0.1	int
28	001C	L2 PHASE REACTIVE POWER	R	(-18000 - 18000)xCTxVT	Var	0.1	int
30	001E	L3 PHASE REACTIVE POWER	R	(-18000 - 18000)xCTxVT	Var	0.1	int
32	0020	L1 PHASE APPARENT POWER	R	(0 -18000)xCTxVT	VA	0.1	unsigned int
34	0022	L2 PHASE APPARENT POWER	R	(0 -18000)xCTxVT	VA	0.1	unsigned int
36	0024	L3 PHASE APPARENT POWER	R	(0 -18000)xCTxVT	VA	0.1	unsigned int
38	0026	L1 PHASE COSφ	R	(-1000 -1000)	-	0.001	int
40	0028	L2 PHASE COSφ	R	(-1000 -1000)	-	0.001	int
42	002A	L3 PHASE COSφ	R	(-1000 -1000)	-	0.001	int
44	002C	TOTAL IMPORT ACTIVE POWER	R	(0 -54000)xCTxVT	Watt	0.1	int
46	002E	TOTAL EXPORT ACTIVE POWER	R	(0 -54000)xCTxVT	Watt	0.1	int
48	0030	TOTAL INDUCTIVE REACTIVE POWER	R	(0 -54000)xCTxVT	Var	0.1	int
50	0032	TOTAL CAPACITIVE REACTIVE POWER	R	(0 -54000)xCTxVT	Var	0.1	int
52	0034	TOTAL APPARENT POWER	R	(0 -54000)xCTxVT	VA	0.1	unsigned int
54	0036	AVERAGE INDUCTIVE COSφ	R	(-1000 -1000)	-	0.001	int
56	0038	AVERAGE CAPACITIVE COSφ	R	(-1000 -1000)	-	0.001	int
58	003A	FREQUENCY	R	(4000 -7000)	Hz	0.01	unsigned int
60	003C	L1 PHASE VOLTAGE ANGLE	R	0-360	Degre	1	unsigned int
62	003E	L2 PHASE VOLTAGE ANGLE	R	0-360	Degre	1	unsigned int
64	0040	L3 PHASE VOLTAGE ANGLE	R	0-360	Degre	1	unsigned int
66	0042	L1 PHASE CURRENT ANGLE	R	0-360	Degre	1	unsigned int
68	0044	L2 PHASE CURRENT ANGLE	R	0-360	Degre	1	unsigned int
70	0046	L3 PHASE CURRENT ANGLE	R	0-360	Degre	1	unsigned int
72	0048	L1 PHASE VOLTAGE THD	R	0-999	%	0.1	unsigned int
74	004A	L2 PHASE VOLTAGE THD	R	0-999	%	0.1	unsigned int
76	004C	L3 PHASE VOLTAGE THD	R	0-999	%	0.1	unsigned int
78	004E	L1 PHASE CURRENT THD	R	0-999	%	0.1	unsigned int
80	0050	L2 PHASE CURRENT THD	R	0-999	%	0.1	unsigned int
82	0052	L3 PHASE CURRENT THD	R	0-999	%	0.1	unsigned int
84	0054	DIGITAL INPUT STATUS	R	-	-	-	-
86	0056	IMPORT ACTIVE ENERGY-1	R/W	0-FFFFFFFFFFFFFFFF	Wh	1	long int
88	0058		R/W	0-FFFFFFFFFFFFFFFF	Wh	1	long int
90	005A	EXPORT ACTIVE ENERGY-1	R/W	0-FFFFFFFFFFFFFFFF	Wh	1	long int
92	005C		R/W	0-FFFFFFFFFFFFFFFF	Wh	1	long int
94	005E	INDUCTIVE REACTIVE ENERGY-1	R/W	0-FFFFFFFFFFFFFFFF	VArh	1	long int
96	0060		R/W	0-FFFFFFFFFFFFFFFF	VArh	1	long int
98	0062	CAPACITIVE REACTIVE ENERGY-1	R/W	0-FFFFFFFFFFFFFFFF	VArh	1	long int
100	0064		R/W	0-FFFFFFFFFFFFFFFF	VArh	1	long int
102	0066	IMPORT ACTIVE ENERGY-2	R/W	0-FFFFFFFFFFFFFFFF	Wh	1	long int
104	0068		R/W	0-FFFFFFFFFFFFFFFF	Wh	1	long int
106	006A	EXPORT ACTIVE ENERGY-2	R/W	0-FFFFFFFFFFFFFFFF	Wh	1	long int
108	006C		R/W	0-FFFFFFFFFFFFFFFF	Wh	1	long int
110	006E	INDUCTIVE REACTIVE ENERGY-2	R/W	0-FFFFFFFFFFFFFFFF	VArh	1	long int
112	0070		R/W	0-FFFFFFFFFFFFFFFF	VArh	1	long int
114	0072	CAPACITIVE REACTIVE ENERGY-2	R/W	0-FFFFFFFFFFFFFFFF	VArh	1	long int
116	0074		R/W	0-FFFFFFFFFFFFFFFF	VArh	1	long int
118	0076	L1 PHASE MIN. VOLTAGE	R/W	(0-3000)xUT	Volt	0.1	unsigned int
120	0078	L2 PHASE MIN. VOLTAGE	R/W	(0-3000)xUT	Volt	0.1	unsigned int
122	007A	L3 PHASE MIN. VOLTAGE	R/W	(0-3000)xUT	Volt	0.1	unsigned int
124	007C	L1-L2 PHASE-PHASE MIN. VOLTAGE	R/W	(0-3000)xUT	Volt	0.1	unsigned int
126	007E	L2-L3 PHASE-PHASE MIN. VOLTAGE	R/W	(0-3000)xUT	Volt	0.1	unsigned int
128	0080	L3-L1 PHASE-PHASE MIN. VOLTAGE	R/W	(0-3000)xUT	Volt	0.1	unsigned int
130	0082	L1 PHASE MIN. CURRENT	R/W	(0-6000)xCT	Amper	0.001	unsigned int
132	0084	L2 PHASE MIN. CURRENT	R/W	(0-6000)xCT	Amper	0.001	unsigned int
134	0086	L3 PHASE MIN. CURRENT	R/W	(0-6000)xCT	Amper	0.001	unsigned int
136	0088	L1 PHASE MIN. ACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
138	008A	L2 PHASE MIN. ACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
140	008C	L3 PHASE MIN. ACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
142	008E	L1 PHASE MIN. REACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
144	0090	L2 PHASE MIN. REACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
146	0092	L3 PHASE MIN. REACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
148	0094	L1 PHASE MIN. APPARENT POWER	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
150	0096	L2 PHASE MIN. APPARENT POWER	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int

NETWORK ANALYSER
MPR-53S

MODBUS REGISTER MAP

MODBUS REGISTER MAP

ADDRESS	ADDRESS (HEX)	REGISTER	R/W	RANGE	UNIT	MULTIPLIER	FORMAT
152	0098	L3 PHASE MIN. APPARENT POWER	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
154	009A	TOTAL MIN. IMPORT ACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
156	009C	TOTAL MIN. EXPORT ACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
158	009E	TOTAL MIN. IMPORT REACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
160	00A0	TOTAL MIN. EXPORT REACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
162	00A2	TOTAL MIN. APPARENT POWER	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
164	00A4	L1 PHASE MAX. VOLTAGE	R/W	(0-3000)xUT	Volt	0.1	unsigned int
166	00A6	L2 PHASE MAX. VOLTAGE	R/W	(0-3000)xUT	Volt	0.1	unsigned int
168	00A8	L3 PHASE MAX. VOLTAGE	R/W	(0-3000)xUT	Volt	0.1	unsigned int
170	00AA	L1-L2 PHASE-PHASE MAX. VOLTAGE	R/W	(0-5000)xUT	Volt	0.1	unsigned int
172	00AC	L2-L3 PHASE-PHASE MAX. VOLTAGE	R/W	(0-5000)xUT	Volt	0.1	unsigned int
174	00AE	L3-L1 PHASE-PHASE MAX. VOLTAGE	R/W	(0-5000)xUT	Volt	0.1	unsigned int
176	00B0	L1 PHASE MAX. CURRENT	R/W	(0-6000)xCT	Amper	0.001	unsigned int
178	00B2	L2 PHASE MAX. CURRENT	R/W	(0-6000)xCT	Amper	0.001	unsigned int
180	00B4	L3 PHASE MAX. CURRENT	R/W	(0-6000)xCT	Amper	0.001	unsigned int
182	00B6	L1 PHASE MAX. ACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
184	00B8	L2 PHASE MAX. ACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
186	00BA	L3 PHASE MAX. ACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
188	00BC	L1 PHASE MAX. REACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
190	00BE	L2 PHASE MAX. REACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
192	00C0	L3 PHASE MAX. REACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
194	00C2	L1 PHASE MAX. APPARENT POWER	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
196	00C4	L2 PHASE MAX. APPARENT POWER	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
198	00C6	L3 PHASE MAX. APPARENT POWER	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
200	00C8	TOTAL MAX. IMPORT ACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
202	00CA	TOTAL MAX. EXPORT ACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
204	00CC	TOTAL MAX. IMPORT REACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
206	00CE	TOTAL MAX. EXPORT REACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
208	00D0	TOTAL MAX. APPARENT POWER	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
210	00D2	L1 PHASE MAX. CURRENT DEMAND	R/W	(0-6000)xCT	Amper	0.001	unsigned int
212	00D4	L2 PHASE MAX. CURRENT DEMAND	R/W	(0-6000)xCT	Amper	0.001	unsigned int
214	00D6	L3 PHASE MAX. CURRENT DEMAND	R/W	(0-6000)xCT	Amper	0.001	unsigned int
216	00D8	L1 PHASE IMPORT MAX. DEMAND ACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
218	00DA	L1 PHASE EXPORT MAX. DEMAND ACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
220	00DC	L2 PHASE IMPORT MAX. DEMAND ACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
222	00DE	L2 PHASE EXPORT MAX. DEMAND ACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
224	00E0	L3 PHASE IMPORT MAX. DEMAND ACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
226	00E2	L3 PHASE EXPORT MAX. DEMAND ACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
228	00E4	L1 PHASE IMPORT MAX. DEMAND REACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
230	00E6	L1 PHASE EXPORT MAX. DEMAND REACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
232	00E8	L2 PHASE IMPORT MAX. DEMAND REACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
234	00EA	L2 PHASE EXPORT MAX. DEMAND REACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
236	00EC	L3 PHASE IMPORT MAX. DEMAND REACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
238	00EE	L3 PHASE EXPORT MAX. DEMAND REACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
240	00F0	L1 PHASE MAX. DEMAND APPARENT POWER	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
242	00F2	L2 PHASE MAX. DEMAND APPARENT POWER	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
244	00F4	L3 PHASE MAX. DEMAND APPARENT POWER	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
246	00F6	TOTAL IMPORT MAX. DEMAND ACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
248	00F8	TOTAL EXPORT MAX. DEMAND ACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
250	00FA	TOTAL IMPORT MAX. DEMAND REACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
252	00FC	TOTAL EXPORT MAX. DEMAND REACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
254	00FE	TOTAL MAX. DEMAND APPARENT POWER	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int

ADDRESS	ADDRESS (HEX)	REGISTER	R/W	RANGE	UNIT	MULTIPLIER	FORMAT
32768	8000	VOLTAGE TRANSFORMER RATIO	R/W	0-40000	-	0.1	short-int
32769	8001	CURRENT TRANSFORMER RATIO	R/W	0-2000	-	1	short-int
32770	8002	CALCULATION METHOD	R/W	0-5	-	-	short-int
32771	8003	DEMAND TIME	R/W	1-60	minute	1	short-int
32772	8004	PULSE RATIO	R/W	0-6	-	-	short-int
32773	8005	PULSE OUTPUT 1 PARAMETER SETTING	R/W	0-5	-	-	short-int
32774	8006	PULSE OUTPUT 2 PARAMETER SETTING	R/W	0-5	-	-	short-int
32775	8007	ENERGY COUNTER 1 SELECTION	R/W	0-3	-	-	short-int
32776	8008	ENERGY COUNTER 2 SELECTION	R/W	0-3	-	-	short-int
32777	8009	COMMUNICATION ADDRESS	R/W	0 - 247	-	-	short-int
32778	800A	BAUD RATE	R/W	1 - 5	-	-	short-int
32779	800B	PARITY	R/W	0 - 2	-	-	short-int
32780	800C	PASSWORD ENABLE	R/W	0-1	-	-	short-int
32781	800D	PASSWORD	R/W	0-9999	-	-	short-int

PULSE OUTPUT 1-2 PARAMETER SETTING 0-5 :
0: Active
1: Active Import
2: Active Export
3: Reactive
4: Reactive Import
5: Reactive Export

PULSE RATIO 0-6 :
0: 1 Watt / Pulse
1: 10 Watt / Pulse
2: 100 Watt / Pulse
3: 1 kW / Pulse
4: 10 kW / Pulse
5: 100 kW / Pulse
6: 1 MW / Pulse

CALCULATION 0-5 :
Refer to "Reactive Energy Calculation Method Setting" on page 2.

ENERGY COUNTER 1 SELECTION 0-3 :
0 : On (EC -Energy counter- will count on all conditions)
1: EC will count when Digital Input1 is 1 (1=active)
2: EC will count when Digital Input2 is 1 (1=active)
3: Inverse Energy Counter 2 (It will count when EC2 is not counted)

ENERGY COUNTER 2 SELECTION 0-3 :
0 : On (EC -Energy counter- will count on all conditions)
1: EC will count when Digital Input1 is 1 (1=active)
2: EC will count when Digital Input2 is 1 (1=active)
3: Inverse Energy Counter 1 (It will count when EC1 is not counted)

BAUD RATE 1-5 :
1: 38400 bps
2: 19200 bps
3: 9600 bps
4: 4800 bps
5: 2400 bps

PARITY 0-2 :
0: No
1: Odd
2: Even

PASSWORD ENABLE 0-1 :
0: Disable
1: Enable

NETZANALYSATOR MPR-53/53S

MODBUS REGISTERTABEL

MODBUS REGISTERTABEL							
ADRESSE	ADRESSE (HEX)	REGISTER	R/W	BEREICH	EINHEIT	MULTIPLIKATOR	FORMAT
0	0000	L1 PHASENSPANNUNG	R	(0-3000)xUT	Volt	0.1	unsigned int
2	0002	L2 PHASENSPANNUNG	R	(0-3000)xUT	Volt	0.1	unsigned int
4	0004	L3 PHASENSPANNUNG	R	(0-3000)xUT	Volt	0.1	unsigned int
6	0006	L1 PHASENSTROM	R	(0-6000)xCT	Amper	0.001	unsigned int
8	0008	L2 PHASENSTROM	R	(0-6000)xCT	Amper	0.001	unsigned int
10	000A	L3 PHASENSTROM	R	(0-6000)xCT	Amper	0.001	unsigned int
12	000C	NEUTRALSTROM	R	(0-6000)xCT	Amper	0.001	unsigned int
14	000E	L1-L2 PHASE-PHASE SPANNUNG	R	(0-5000)xUT	Volt	0.1	unsigned int
16	0010	L2-L3 PHASE-PHASE SPANNUNG	R	(0-5000)xUT	Volt	0.1	unsigned int
18	0012	L3-L1 PHASE-PHASE SPANNUNGİ	R	(0-5000)xUT	Volt	0.1	unsigned int
20	0014	L1 PHASE WIRKLEISTUNG	R	(-18000 - 18000)xCTxVT	Watt	0.1	int
22	0016	L2 PHASE WIRKLEISTUNG	R	(-18000 - 18000)xCTxVT	Watt	0.1	int
24	0018	L3 PHASE WIRKLEISTUNG	R	(-18000 - 18000)xCTxVT	Watt	0.1	int
26	001A	L1 PHASE BLINDLEISTUNG	R	(-18000 - 18000)xCTxVT	Var	0.1	int
28	001C	L2 PHASE BLINDLEISTUNG	R	(-18000 - 18000)xCTxVT	Var	0.1	int
30	001E	L3 PHASE BLINDLEISTUNG	R	(-18000 - 18000)xCTxVT	Var	0.1	int
32	0020	L1 PHASE BLINDLEISTUNG	R	(0 -18000)xCTxVT	VA	0.1	unsigned int
34	0022	L2 PHASE BLINDLEISTUNG	R	(0 -18000)xCTxVT	VA	0.1	unsigned int
36	0024	L3 PHASE BLINDLEISTUNG	R	(0 -18000)xCTxVT	VA	0.1	unsigned int
38	0026	L1 PHASE COSφ	R	(-1000 -1000)	-	0.001	int
40	0028	L2 PHASE COSφ	R	(-1000 -1000)	-	0.001	int
42	002A	L3 PHASE COSφ	R	(-1000 -1000)	-	0.001	int
44	002C	GESAMTE IMPORTIERTE WIRKLEISTUNG	R	(0 -54000)xCTxVT	Watt	0.1	int
46	002E	GESAMTE EXPORTIERTE WIRKLEISTUNG	R	(0 -54000)xCTxVT	Watt	0.1	int
48	0030	GESAMTE INDUKTIVE BLINDLEISTUNG	R	(0 -54000)xCTxVT	Var	0.1	int
50	0032	GESAMTE KAPAZITIVE	R	(0 -54000)xCTxVT	Var	0.1	int
52	0034	GESAMTE SCHEINLEISTUNG	R	(0 -54000)xCTxVT	VA	0.1	unsigned int
54	0036	MITTLERE INDUKTIVE COSφ	R	(-1000 -1000)	-	0.001	int
56	0038	MITTLERE KAPAZITIVE COSφ	R	(-1000 -1000)	-	0.001	int
58	003A	FREKANS	R	(4000 -7000)	Hz	0.01	unsigned int
60	003C	L1 PHASE SPANNUNGSWINKEL	R	0-360	Grad	1	unsigned int
62	003E	L2 PHASE SPANNUNGSWINKEL	R	0-360	Grad	1	unsigned int
64	0040	L3 PHASE SPANNUNGSWINKEL	R	0-360	Grad	1	unsigned int
66	0042	L1 PHASE STROMWINKEL	R	0-360	Grad	1	unsigned int
68	0044	L2 PHASE STROMWINKEL	R	0-360	Grad	1	unsigned int
70	0046	L3 PHASE STROMWINKEL	R	0-360	Grad	1	unsigned int
72	0048	L1 PHASE SPANNUNG-THD	R	0-999	%	0.1	unsigned int
74	004A	L2 PHASE SPANNUNG-THD	R	0-999	%	0.1	unsigned int
76	004C	L3 PHASE SPANNUNG-THD	R	0-999	%	0.1	unsigned int
78	004E	L1 PHASE STROM-THD	R	0-999	%	0.1	unsigned int
80	0050	L2 PHASE STROM-THD	R	0-999	%	0.1	unsigned int
82	0052	L3 PHASE STROM-THD	R	0-999	%	0.1	unsigned int
84	0054	DIGITALEINGAGNSTATUS	R	-	-	-	-
86	0056	IMPORTIERTE WIRKENERGIE-1	R/W	0-FFFFFFFFFFFFFFFF	Wh	1	long int
88	0058		R/W	0-FFFFFFFFFFFFFFFF	Wh	1	long int
90	005A	EXPORTIERTE WIRKENERGIE-1	R/W	0-FFFFFFFFFFFFFFFF	Wh	1	long int
92	005C		R/W	0-FFFFFFFFFFFFFFFF	Wh	1	long int
94	005E	INDUKTIVE BLINDENERGIE-1	R/W	0-FFFFFFFFFFFFFFFF	VArh	1	long int
96	0060		R/W	0-FFFFFFFFFFFFFFFF	VArh	1	long int
98	0062	KAPAZITIVE BLINDENERGIE-1	R/W	0-FFFFFFFFFFFFFFFF	VArh	1	long int
100	0064		R/W	0-FFFFFFFFFFFFFFFF	VArh	1	long int
102	0066	IMPORTIERTE WIRKENERGIE-2	R/W	0-FFFFFFFFFFFFFFFF	Wh	1	long int
104	0068		R/W	0-FFFFFFFFFFFFFFFF	Wh	1	long int
106	006A	EXPORTIERTE WIRKENERGIE-2	R/W	0-FFFFFFFFFFFFFFFF	Wh	1	long int
108	006C		R/W	0-FFFFFFFFFFFFFFFF	Wh	1	long int
110	006E	INDUKTIVE BLINDENERGIE-2	R/W	0-FFFFFFFFFFFFFFFF	VArh	1	long int
112	0070		R/W	0-FFFFFFFFFFFFFFFF	VArh	1	long int
114	0072	KAPAZITIVE BLINDENERGIE-2	R/W	0-FFFFFFFFFFFFFFFF	VArh	1	long int
116	0074		R/W	0-FFFFFFFFFFFFFFFF	VArh	1	long int
118	0076	L1 PHASE MIN. SPANNUNG	R/W	(0-3000)xUT	Volt	0.1	unsigned int
120	0078	L2 PHASE MIN. SPANNUNG	R/W	(0-3000)xUT	Volt	0.1	unsigned int
122	007A	L3 PHASE MIN. SPANNUNG	R/W	(0-3000)xUT	Volt	0.1	unsigned int
124	007C	L1-L2 PHASE-PHASE MIN. SPANNUNG	R/W	(0-3000)xUT	Volt	0.1	unsigned int
126	007E	L2-L3 PHASE-PHASE MIN. SPANNUNG	R/W	(0-3000)xUT	Volt	0.1	unsigned int
128	0080	L3-L1 PHASE-PHASE MIN. SPANNUNG	R/W	(0-3000)xUT	Volt	0.1	unsigned int
130	0082	L1 PHASE MIN. STROM	R/W	(0-6000)xCT	Amper	0.001	unsigned int
132	0084	L2 PHASE MIN. STROM	R/W	(0-6000)xCT	Amper	0.001	unsigned int
134	0086	L3 PHASE MIN. STROM	R/W	(0-6000)xCT	Amper	0.001	unsigned int
136	0088	L1 PHASE MIN. WIRKLEISTUNG	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
138	008A	L2 PHASE MIN. WIRKLEISTUNG	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
140	008C	L3 PHASE MIN. WIRKLEISTUNG	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
142	008E	L1 PHASE MIN. BLINDLEISTUNG	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
144	0090	L2 PHASE MIN. BLINDLEISTUNG	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
146	0092	L3 PHASE MIN. BLINDLEISTUNG	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
148	0094	L1 PHASE MIN. SCHEINLEISTUNG	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
150	0096	L2 PHASE MIN. SCHEINLEISTUNG	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int

NETZANALYSATOR MPR-53/53S

MODBUS REGISTERTABEL

MODBUS REGISTERTABEL

ADRESSE	ADRESSE (HEX)	REGISTER	R/W	BEREICH	EINHEIT	MULTIPLIKATOR	FORMAT
152	0098		R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
154	009A	GESAMTE MIN. IMPORTIERTE WIRKLEISTUNG	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
156	009C		R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
158	009E	GESAMTE MIN. INDUKTIVE BLINDLEISTUNG	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
160	00A0		R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
162	00A2	GESAMTE MIN. SCHEINLEISTUNG	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
164	00A4		R/W	(0-3000)xUT	Volt	0.1	unsigned int
166	00A6	L2 PHASE MAX. SPANNUNG	R/W	(0-3000)xUT	Volt	0.1	unsigned int
168	00A8		R/W	(0-3000)xUT	Volt	0.1	unsigned int
170	00AA	L1-L2 PHASE-PHASE MAX. SPANNUNG	R/W	(0-5000)xUT	Volt	0.1	unsigned int
172	00AC		R/W	(0-5000)xUT	Volt	0.1	unsigned int
174	00AE	L3-L1 PHASE-PHASE MAX. SPANNUNG	R/W	(0-5000)xUT	Volt	0.1	unsigned int
176	00B0		R/W	(0-6000)xCT	Amper	0.001	unsigned int
178	00B2	L2 PHASE MAX. STROM	R/W	(0-6000)xCT	Amper	0.001	unsigned int
180	00B4		R/W	(0-6000)xCT	Amper	0.001	unsigned int
182	00B6	L1 PHASE MAX. WIRKLEISTUNG	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
184	00B8		R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
186	00BA	L3 PHASE MAX. WIRKLEISTUNG	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
188	00BC		R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
190	00BE	L2 PHASE MAX. BLINDLEISTUNG	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
192	00C0		R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
194	00C2	L1 PHASE MAX. SCHEINLEISTUNG	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
196	00C4		R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
198	00C6	L3 PHASE MAX. SCHEINLEISTUNG	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
200	00C8		R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
202	00CA	GESAMTE MAX. EXPORTIERTE WIRKLEISTUNG	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
204	00CC		R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
206	00CE	GESAMTE MAX. KAPAZITIVE BLINDLEISTUNG	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
208	00D0		R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
210	00D2	L1 PHASE MAX. STROMBEDARF	R/W	(0-6000)xCT	Amper	0.001	unsigned int
212	00D4		R/W	(0-6000)xCT	Amper	0.001	unsigned int
214	00D6	L3 PHASE MAX. STROMBEDARF	R/W	(0-6000)xCT	Amper	0.001	unsigned int
216	00D8		R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
218	00DA	L2 PHASE EXPORTIERTE MAX. BEDARF WIRKLEISTUNG	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
220	00DC		R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
222	00DE	L2 HASE EXPORTIERTE MAX. BEDARF WIRKLEISTUNG	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
224	00E0		R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
226	00E2	PHASE IMPORTIERTE MAX. BEDARF WIRKLEISTUNG	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
228	00E4		R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
230	00E6	L1 PHASE KAPAZITIVE MAX. BEDARF BLINDLEISTUNG	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
232	00E8		R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
234	00EA	L2 HASE KAPAZITIVE MAX. BEDARF BLINDLEISTUNG	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
236	00EC		R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
238	00EE	L3 HASE KAPAZITIVE MAX. BEDARF BLINDLEISTUNG	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
240	00F0		R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
242	00F2	L2 PHASE MAX BEDARF SCHEINLEISTUNG	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
244	00F4		R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
246	00F6	GESAMTE IMPORTIERTE MAX BEDARF WIRKLEISTUNG	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
248	00F8		R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
250	00FA	GESAMTE INDUKTIVE MAX BEDARF BLINDLEISTUNG	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
252	00FC		R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
254	00FE	GESAMTE MAX. BEDARF SCHEINLEISTUNG	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int

ADRESSE	ADRESSE (HEX)	REGISTER	R/W	BEREICH	EINHEIT	MULTIPLIKATOR	FORMAT
32768	8000	SPANNUNGWANDLERVERHÄLTNIS	R/W	0-40000	-	0.1	short-int
32769	8001	STROMWANDLERVERHÄLTNIS	R/W	0-2000	-	1	short-int
32770	8002	BERECHNUNGSMETHODE	R/W	0-5	-	-	short-int
32771	8003	BEDARFSZEIT	R/W	1-60	minuten	1	short-int
32772	8004	IMPULSRATE	R/W	0-6	-	-	short-int
32773	8005	IMPULSAUSGANG 1 PARAMETEREINSTELLUNG	R/W	0-5	-	-	short-int
32774	8006	IMPULSAUSGANG 2 PARAMETEREINSTELLUNG	R/W	0-5	-	-	short-int
32775	8007	ENERGIEZÄHLER 1 AUSWAHL	R/W	0-3	-	-	short-int
32776	8008	ENERGIEZÄHLER 2 AUSWAHL	R/W	0-3	-	-	short-int
32777	8009	KOMMUNIKATIONSADRESSE	R/W	0 - 247	-	-	short-int
32778	800A	BAUDRATE	R/W	1 - 5	-	-	short-int
32779	800B	PARITÄT	R/W	0 - 2	-	-	short-int
32780	800C	KENNWORTAKTIVIERUNG	R/W	0-1	-	-	short-int
32781	800D	KENNWORT	R/W	0-9999	-	-	short-int

MPULSEAUSGANG 1-2 PARAMETEREINSTELLUNG 0-5
0: Aktiv
1: Importierte Aktiv
2: Exportierte Aktiv
3: Reaktif – Reaktiv
4: Importierte Reaktiv
5: Exportierte Reaktiv

BERECHNUNG 0-5 :
Bitte sehen Sie “Einstellung der Blindenergieberechnungsmethode” auf zweite Seite.

IMPULSERATE 0-6 :
0: 1 Watt / Imulse
1: 10 Watt / Imulse
2: 100 Watt / Imulse
3: 1 kW / Imulse
4: 10 kW / Imulse
5: 100 kW / Imulse
6: 1 MW / Imulse

ENERGIEZÄHLER 1 AUSWAHL 0-3 :
0 : Ein(EC will für alle Konditionen zählen)
1: EC1 will zählen nur wenn Digitaleingang1 1(activ) ist
2: EC1 will zählen nur wenn Digitaleingang2 1(activ) ist
3: EC1 will zählen nur wenn EC2 nicht zählt

ENERGIEZÄHLER 2 AUSWAHL 0-3 :
0: Ein(EC will für alle Konditionen zählen)
1: EC will zählen nur wenn Digitaleingang1 1(activ) ist
2: EC will zählen nur wenn Digitaleingang2 1(activ) ist
3: EC2 will zählen nur wenn EC1 nicht zählt

0-1 – KENNWORTAKTIVIERUNG :
0: Inactiv
1: Aktiv

1-5 - BAUD RATE
1: 38400 bps
2: 19200 bps
3: 9600 bps
4: 4800 bps
5: 2400 bps

0-2 – PARITÄT :
0: Keine
1: Ungerade
2: Gerade