

Modbus Server

Validity	
Technagon TE-P5 / TE-P7	
Technagon TEP4/ TEP4HAK/ TEW3/ TEW4/ TEP8	

Prerequisites	
Version Modbus-Server (Slave)	1.2
port	502
read	modbus function code 0x03
write	modbus function code 0x06

Units	
mA	= A/1000
dV	= V/10
bp	= percent/100

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Charging station

register (hex)	register (dez)	words	Data type	Values	r/w	description	example		SV TE-P5 / TE-P7/	SV TEP4/ TEP4HAK/ TEW3/ TEW4/ TEP8
0000	0	5	string	technagon	r	vendor	7465, 6368, 6E61, 676F, 6E00	=I23:I30 = technagon	from V73	all
0005	5	1	uint16	0 – TE-P5/TE-P7/TEP4/ TEP4HAK/TEW3/TEW4/ TEP8	r	device	0000	= 0	from V73	all
0006	6	1	uint16		r	modbus register layout major version	0001	= 1	from V73	all
0007	7	1	uint16		r	modbus register layout minor version	0000	= 0	from V73	all
0008	8	2	uint32		r	station serial number	05F5, EA88	= 100002440	from V73	all
000A	10	1	uint16			reserved			from V73	all
000B	11	1	uint16		r	max current (mA)	F618 7D00 3E80 2710	= 63000 = 32000 = 16000 = 10000	from V73	all
000C	12	1	uint16		r	number of evses	0002	= 2	from V73	all

Modbus Server

Charging point 1

register (hex)	register (dez)	words	Data type	Values	r/w	description	example		SV TE-P5 / TE-P7/	SV TEP4/ TEP4HAK/ TEW3/ TEW4/ TEP8
1000	4096	2	uint32		r	evse serial number	0000, 0000		> = V73	all
1002	4098	1	uint16	0 – Type 2 1 – Type F 2 – CCS	r	evse active connector	0000 0001	= Type 2 = Type F	> = V73	all
1003	4099	1	uint16	0 – Unavailable 1 – Available 2 – Preparing 3 – Charging 4 – EVSE Suspended (WebUI: < 6A max. power) 5 – EV Suspended (state B) 6 – Finishing 10 – Reserved 99 – Faulted	r	evse status	0000 0001 0002 0003 0004 0005 0006 000A 0063	= Unavailable = Available = Preparing = Charging = EVSE Suspended = EV Suspended = Finishing = Reserved = Faulted	> = V73	all
1004	4100	4	uint64		r	evse status last updated (UNIX timestamp)	0000, 0000, 630D, B5C3	30.08.2022 09:01:23	> = V73	all
1008	4104	1	uint16		r	min current (mA)	1770	= 6000	> = V73	all
1009	4105	1	uint16		r	max current (mA): is required by set current (percentage)	7D00	= 32000	> = V73	all
100A	4106	1	uint16		r	current offered (mA)	7B0C 3E80	= 31500 = 16000	> = V73	all
100B	4107	1	uint16		r	voltage L1 (dV)	08FC	= 2300	> = V73	all
100C	4108	1	uint16		r	voltage L2 (dV)	08FC	= 2300	> = V73	all
100D	4109	1	uint16		r	voltage L3 (dV)	08FC	= 2300	> = V73	all
100E	4110	1	uint16		r	power factor L1 (bp)	2328	= 9000	> = V73	all
100F	4111	1	uint16		r	power factor L2 (bp)	2328	= 9000	> = V73	all
1010	4112	1	uint16		r	power factor L3 (bp)	2328	= 9000	> = V73	all
1011	4113	1	uint16		r	current L1 (mA)	1AB8	= 6840	> = V73	all
1012	4114	1	uint16		r	current L2 (mA)	1AB8	= 6840	> = V73	all
1013	4115	1	uint16		r	current L3 (mA)	1AB8	= 6840	> = V73	all
1014	4116	1	uint16		r	power L1 (W)	0E22	= 3618	> = V78	> = OS-2.3.1 (0.0.10)
1015	4117	1	uint16		r	power L2 (W)	0E22	= 3618		
1016	4118	1	uint16		r	power L3 (W)	0E22	= 3618		
1017	4119	1	uint16		r	power (W)	3B27	= 15143		
1018	4120	4	uint64		r	meter (Wh)	7D93	= 32147	> = V79	> = OS-2.4 (0.0.12)
101C	4124	228	uint16			reserved				
1100	4352	1	uint16		rw	set current (bp) - refers to max current - lowest value of set current registers is used	2710	= 10000	> = V73	all
1101	4353	1	uint16		rw	set current (mA) - values above max current are ignored - lowest value of set current registers is used	7D00	= 32000	> = V73	all
1102	4354	1	uint16		rw	fallback current (mA)	0000	= 0	> = V73	all
1103	4355	1	uint16	0 – fallback inactive > 0 – offline time after which fallback current is used	rw	fallback timeout (s)	0000	= 0 (OFF)	> = V73	all

Modbus Server

Charging point 2

register (hex)	register (dez)	words	Data type	Values	r/w	description	example		SV TE-P5 / TE-P7/	SV TEP4/ TEP4HAK/ TEW3/ TEW4/ TEP8
2000	8192	2	uint32		r	evse serial number	0000, 0000		> = V73	all
2002	8194	1	uint16	0 – Type 2 1 – Type F 2 – CCS	r	evse active connector	0000 0001	= Type 2 = Type F	> = V73	all
2003	8195	1	uint16	0 – Unavailable 1 – Available 2 – Preparing 3 – Charging 4 – EVSE Suspended (WebUI: < 6A max. power) 5 – EV Suspended (state B) 6 – Finishing 10 – Reserved 99 – Faulted	r	evse status	0000 0001 0002 0003 0004 0005 0006 000A 0063	= Unavailable = Available = Preparing = Charging = EVSE Suspended = EV Suspended = Finishing = Reserved = Faulted	> = V73	all
2004	8196	4	uint64		r	evse status last updated (UNIX timestamp)	0000, 0000, 630D, DC98	30.08.2022 11:47:00	> = V73	all
2008	8200	1	uint16		r	min current (mA)	1770	= 6000	> = V73	all
2009	8201	1	uint16		r	max current (mA): is required by set current (percentage)	7D00	= 32000	> = V73	all
200A	8202	1	uint16		r	current offered (mA)	7B0C 3E80	= 31500 = 16000	> = V73	all
200B	8203	1	uint16		r	voltage L1 (dV)	08FC	= 2300	> = V73	all
200C	8204	1	uint16		r	voltage L2 (dV)	08FC	= 2300	> = V73	all
200D	8205	1	uint16		r	voltage L3 (dV)	08FC	= 2300	> = V73	all
200E	8206	1	uint16		r	power factor L1 (bp)	2328	= 9000	> = V73	all
200F	8207	1	uint16		r	power factor L2 (bp)	2328	= 9000	> = V73	all
2010	8208	1	uint16		r	power factor L3 (bp)	2328	= 9000	> = V73	all
2011	8209	1	uint16		r	current L1 (mA)	1AB8	= 6840	> = V73	all
2012	8210	1	uint16		r	current L2 (mA)	1AB8	= 6840	> = V73	all
2013	8211	1	uint16		r	current L3 (mA)	1AB8	= 6840	> = V73	all
2014	8212	1	uint16		r	power L1 (W)	0E22	= 3618	> = V78	> = OS-2.3.1 (0.0.10)
2015	8213	1	uint16		r	power L2 (W)	0E22	= 3618		
2016	8214	1	uint16		r	power L3 (W)	0E22	= 3618		
2017	8215	1	uint16		r	power (W)	3B27	= 15143		
2018	8216	4	uint64		r	meter (Wh)	7D93	= 32147	> = V79	> = OS-2.4 (0.0.12)
201C	8220	228	uint16		r	reserved				
2100	8448	1	uint16		rw	set current (bp) - refers to max current - lowest value of set current registers is used	2710	= 10000	> = V73	all
2101	8449	1	uint16		rw	set current (mA) - values above max current are ignored - lowest value of set current registers is used	7D00	= 32000	> = V73	all
2102	8450	1	uint16		rw	fallback current (mA)	0000	= 0	> = V73	all
2103	8451	1	uint16	0 – fallback inactive > 0 – offline time after which fallback current is used	rw	fallback timeout (s)	0000	= 0 (OFF)	> = V73	all