

PSI 9000 register list for devices with KE firmware from V2.10 (check the installed version in your device's MENU in item INFO HW, SW)

Modbus address										Access	Access condition for writing	Data type	Data length in bytes	Number of registers	Data	Example	Profibus slot / Profinet subnet	Profibus/Profinet index in slot		
Read coils (0x01)																				
Read holding registers (0x03)																				
Write single coil (0x05)																				
Write single register (0x06)																				
Write multiple registers (0x10)																				
Description																				
0	x									R		uint(16)	2	1		21, 33, 35, 37 = PSI 9000 Series	1	0		
1	x									R		char	40	20	ASCII		1	1		
21	x									R		char	40	20	ASCII		1	2		
41	x									R		char	40	20	ASCII		1	3		
61	x									R		char	40	20	ASCII		1	4		
81	x									R		char	40	20	ASCII		1	5		
101	x									R		char	40	20	ASCII		1	6		
121	x									R		float	4	2	Floating point number IEEE754	80	1	7		
123	x									R		float	4	2	Floating point number IEEE754	170	1	8		
125	x									R		float	4	2	Floating point number IEEE754	3500	1	9		
127	x									R		float	4	2	Floating point number IEEE754	12	1	10		
131	x									R		char	40	20	ASCII	33230401	1	12		
151	x									R		char	40	20	ASCII	100010002	1	13		
171	x						x			RW	REM	char	40	20	ASCII		1	14		
191	x									R		char	40	20	ASCII	V2.01 05.09.2012	1	15		
211	x									R		char	40	20	ASCII	V2.02 13.08.2012	1	16		
231	x									R		char	40	20	ASCII	V2.01 10.09.2012	1	17		
402	x		x							RW		uint(16)	2	1	Coils : Remote	0x0000 = off; 0xFF00 = on	2	1		
405	x			x						RW	REM	uint(16)	2	1	Coils : output	0x0000 = off; 0xFF00 = on		2	4	
407	x			x						RW	REM	uint(16)	2	1	Coils : Auto-On	0x0000 = off; 0xFF00 = auto-on		3	30	
408		x			x					RW	REM	uint(16)	2	1	Reg : Power-On	0xFFFF = off; 0xFFFE = restore		2	6	
409	x			x						RW	REM	uint(16)	2	1	Coils : Operation mode	0x0000 = UIP; 0xFF00 = UIR		2	7	
410			x							W	REM	uint(16)	2	1	Coils : Restart	0xFF00 = execute		2	8	
411			x							W	REM	uint(16)	2	1	Coils : Alarms	0xFF00 = acknowledge		2	9	
416	x			x						RW	REM	uint(16)	2	1	Coils : VREF	0x0000 = 10V; 0xFF00 = 5V		2	14	
417	x			x						RW	REM	uint(16)	2	1	Coils : REM-SB Level	0x0000 = normal; 0xFF00 = inverted		2	36	
418				x						W	REM	uint(16)	2	1	Coils : REM-SB Action	0x0000 = DC off; 0xFF00 = DC auto		2	37	
426	x			x						RW	REM	uint(16)	2	1	Coils : PV mode	0x0000 = off; 0xFF00 = on		5	13	
500		x			x					RW	REM	uint(16)	2	1	0x0000 - 0xC000 (0 - 100%)	Voltage value (for translation see programming guide)		2	23	
501		x			x					RW	REM	uint(16)	2	1	0x0000 - 0xC000 (0 - 100%)	Current value (for translation see programming guide) / Irradiation		2	24	
502			x			x				RW	REM	uint(16)	2	1	0x0000 - 0xC000 (0 - 100%)	Power value (for translation see programming guide)		2	25	
503			x			x				RW	REM	uint(16)	2	1	0x0000 - 0xC000 (0 - 100%)	Resistance value (for translation see programming guide)		2	26	
505				x						R		uint(32)	4	2	Bit 0-4: Control location	0x00 = free; 0x01 = local; 0x02 = remote; 0x03 = USB; 0x04 = analog; 0x05 = Profibus; 0x06 = Ethernet; 0x08 = Master/Slave; 0x09 = RS232; 0x10 = CANopen; 0x11 = Devicenet; 0x12 = Modbus TCP 1P; 0x13 = Profinet 1P; 0x14 = Ethernet 1P; 0x15 = Ethernet 2P; 0x16 = Modbus TCP 2P; 0x17 = Profinet 2P	2	27		