PS 2000 B TFT register list for device with HMI firmware from V2.01 (check the installed version in your device's menu in item About HW, SW or by reading register 211)

Modbus address (dec)	Modbus address (hex)	Read coils (0x01)	Read holding registers (0x03)	Write single coil (0x05)	Write single register (0x06)	Write multiple registers (0x10)	Description	Access	Data type	Data length in bytes	Number of registers	Data	Example
0	0x0000		x				Device class	R	uint(16)	2	1		16 = PS 2000 Single
1	0x0001		x				Device type	R	char	40	20	ASCII	PS 2042-06B
21	0x0015		x				Manufacturer	R	char	40	20	ASCII	
41	0x0029		x				Manufacturer address	R	char	40	20	ASCII	
61	0x003D		x				Manufacturer ZIP code	R	char	40	20	ASCII	
81	0x0051		x				Manufacterer phone number	R	char	40	20	ASCII	
101	0x0065		x				Manufacturer website	R	char	40	20	ASCII	
121	0x0079		x				Nominal voltage	R	float	4	2	Floating point number IEEE754	42
123	0x007B		x				Nominal current	R	float	4	2	Floating point number IEEE754	6
125	0x007D		x				Nominal power	R	float	4	2	Floating point number IEEE754	100
131	0x0083		x				Article no.	R	char	40	20	ASCII	39200112
151	0x0097		x				Serial no.	R	char	40	20	ASCII	1234567890
171	0x00AB		x			x	User text	RW	char	40	20	ASCII	
191	0x00BF		x				Firmware version (DR0)	R	char	40	20	ASCII	V2.01 01.03.2020
211	0x00D3		x				Firmware version (HMI)	R	char	40	20	ASCII	V2.01 01.03.2020
231	0x00E7		x				Firmware version (DR1)	R	char	40	20	ASCII	V2.01 01.03.2020
402	0x0192	x		x			Remote mode (output 1, Single + Triple)	RW	uint(16)	2	1	Coil : Remote	0x0000 = off; 0xFF00 = on
405	0x0195	x		x			DC output (output 1, Single + Triple)	RW	uint(16)	2	1	Coil : Output	0x0000 = off; 0xFF00 = on
411	0x019B			x			Acknowledge alarms (output 1, Single + Triple)	W	uint(16)	2	1	Coil : Alarms	0xFF00 = acknowledge
412	0x019C	x		x			Enable tracking (Triple only)	RW	uint(16)	2	1	Coil : Tracking	0x0000 = off; 0xFF00 = on
423	0x01A7			x			Reset device to factory settings	W	uint(16)	2	1	Coil : Condition	0xFF00 = Factory default
452	0x01C4	x		x			Remote mode (output 2, Triple only)	RW	uint(16)	2	1	Coil : Remote	0x0000 = off; 0xFF00 = on
455	0x01C7	x		x			DC output (output 2, Triple only)	RW	uint(16)	2	1	Coil : Output	0x0000 = off; 0xFF00 = on
461	0x01CD			x			Acknowledge alarms (output 2, Triple only)	RW	uint(16)	2	1	Coil : Alarms	0xFF00 = acknowledge
500	0x01F4		x		x		Set voltage value (output 1, Single + Triple)	RW	uint(16)	2	1	0x0000 - 0xCCCC (0 - 100%)	Voltage value (for translation see programming guide)
501	0x01F5		x		x		Set current value (output 1, Single + Triple)	RW	uint(16)	2	1	0x0000 - 0xCCCC (0 - 100%)	Current value (for translation see programming guide)
505	0x01F9		x				Device state (output 1, Single + Triple)	R	uint(32)	4	2	Bit 0- 4: Control location	0x00 = free; 0x02 = HMI locked; 0x03 = USB
												Bit 7 : DC output	0 = off; 1 = on
												Bit 9-10: Regulation mode	00 = CV; 10 = CC
												Bit 11 : Remote	0 = off; 1 = on
												Bit 15 : Alarms	0 = no alarm active; 1 = at least one alarm active
												Bit 16 : Alarm OVP	0 = none; 1 = active
												Bit 17 : Alarm OCP	0 = none; 1 = active
												Bit 19 : Alarm OT	0 = none; 1 = active
507	0x01FB		x				Actual voltage (output 1, Single + Triple)	R	uint(16)	2	1	0x0000 - 0xEB84 (0 - 115%)	Actual voltage (for translation see programming guide)
508	0x01FC		x				Actual current (output 1, Single + Triple)	R	uint(16)	2	1	0x0000 - 0xEB84 (0 - 115%)	Actual current (for translation see programming guide)
509	0x01FD		x				Actual power (output 1, Single + Triple)	R	uint(16)	2	1	0x0000 - 0xEB84 (0 - 115%)	Actual power (for translation see programming guide)
510	0x01FE		x		x		Set voltage value (output 2, Triple only)	R	uint(16)	2	1	0x0000 - 0xCCCC (0 - 100%)	Voltage value (for translation see programming guide)
511	0x01FF		x		x		Set current value (output 2, Triple only)	R	uint(16)	2	1	0x0000 - 0xCCCC (0 - 100%)	Current value (for translation see programming guide)
515	0x0203		x				Device state (output 2, Triple only)	R	uint(32)	4	2	Bit 0- 4: Control location	0x00 = free; 0x02 = HMI locked; 0x03 = USB
												Bit 7 : DC output	0 = off; 1 = on
												Bit 9-10: Regulation mode	00 = CV; 10 = CC
												Bit 11 : Remote	0 = off; 1 = on
												Bit 15 : Alarms	0 = no alarm active; 1 = at least one alarm active
												Bit 16 : Alarm OVP	0 = none; 1 = active
												Bit 17 : Alarm OCP	0 = none; 1 = active
												Bit 19 : Alarm OT	0 = none; 1 = active
517	0x0205		x				Actual voltage (output 2, Triple only)	R	uint(16)	2	1	0x0000 - 0xEB84 (0 - 115%)	Actual voltage (for translation see programming guide)
518	0x0206		x				Actual current (output 2, Triple only)	R	uint(16)	2	1	0x0000 - 0xEB84 (0 - 115%)	Actual current (for translation see programming guide)
519	0x0207		x				Actual power (output 2, Triple only)	R	uint(16)	2	1	0x0000 - 0xEB84 (0 - 115%)	Actual power (for translation see programming guide)
550	0x0226		x		x		Overvoltage protection threshold (OVP) (output 1, Single + Triple)	RW	uint(16)	2	1	0x0000 - 0xE147 (0 - 110%)	OVP threshold (for translation see programming guide)
553	0x0229		x		x		Overcurrent protection threshold (OCP) (output 1, Single + Triple)	RW	uint(16)	2	1	0x0000 - 0xE147 (0 - 110%)	OCP threshold (for translation see programming guide)
600	0x0258		x		x		Overvoltage protection threshold (OVP) (output 2, Triple only)	R	uint(16)	2	1	0x0000 - 0xE147 (0 - 110%)	OVP threshold (for translation see programming guide)
603	0x025B		x		x		Overcurrent protection threshold (OCP) (output 2, Triple only)	R	uint(16)	2	1	0x0000 - 0xE147 (0 - 110%)	OCP threshold (for translation see programming guide)
9000	0x2328		x		x		Upper limit of voltage set value (U-max) (output 1, Single + Triple)	RW	uint(16)	2	1	0x0000 - 0xCCCC (0 - 100%)	Voltage value (for translation see programming guide)
9002	0x232A		x		x		Upper limit of current set value (I-max) (output 1, Single + Triple)	RW	uint(16)	2	1	0x0000 - 0xCCCC (0 - 100%)	Current value (for translation see programming guide)
9010	0x2332		x		x		Upper limit of voltage set value (U-max) (output 2, Triple only)	RW	uint(16)	2	1	0x0000 - 0xCCCC (0 - 100%)	Voltage value (for translation see programming guide)
9012	0x2334		x		x		Upper limit of current set value (I-max) (output 2, Triple only)	RW	uint(16)	2	1	0x0000 - 0xCCCC (0 - 100%)	Current value (for translation see programming guide)
10013	0x271D	x		x			Modbus specification compliance	RW	uint(16)	2	1	Coil: Modus	0x0000 = Limited (default); 0xFF00 = Full