

EL 9000 DT register list for devices with KE firmware from V3.02 (check the installed version in your device's MENU in item INFO HW, SW)

	Modbus address	Read coils (0x01)	Read multiple registers (0x03)	Write single coil (0x05)	Write multiple registers (0x06)								
						Description	Access	Data type	Data length in bytes	Number of registers	Data	Example	
	0	x		x		Device class	R	uint(16)	2	1		44 = EL 9000 DT series, 51 = EL 9000 T series	
	1	x			x	Device type	R	char	40	20	ASCII	EL 9080-60 DT	
	21	x			x	Manufacturer	R	char	40	20	ASCII		
	41	x			x	Manufacturer address	R	char	40	20	ASCII		
	61	x			x	Manufacturer ZIP code	R	char	40	20	ASCII		
	81	x			x	Manufacturer phone number	R	char	40	20	ASCII		
	101	x			x	Manufacturer website	R	char	40	20	ASCII		
	121	x			x	Nominal voltage	R	float	4	2	Floating point number IEEE754	80	
	123	x			x	Nominal current	R	float	4	2	Floating point number IEEE754	60	
	125	x			x	Nominal power	R	float	4	2	Floating point number IEEE754	1200	
	127	x			x	Max. Internal resistance	R	float	4	2	Floating point number IEEE754	30	
	129	x			x	Min. Internal resistance	R	float	4	2	Floating point number IEEE754	0.09	
	131	x			x	Article no.	R	char	40	20	ASCII	33210506	
	151	x			x	Serial no.	R	char	40	20	ASCII	1234567890	
	171	x			x	User text	RW	char	40	20	ASCII		
	191	x				Firmware version (KE)	R	char	40	20	ASCII	V3.02.16.08.2016	
	211	x			x	Firmware version (HMI)	R	char	40	20	ASCII	V2.08.22.09.2016	
	231	x			x	Firmware version (DR)	R	char	40	20	ASCII	V1.0.4.1.30.06.2016	
	402	x		x		Remote mode	RW	uint(16)	2	1	Coils : Remote	0x0000 = off; 0xFF00 = on	
	405	x		x		DC output / DC input	RW	uint(16)	2	1	Coils : Output/input	0x0000 = off; 0xFF00 = on	
	407	x		x		Condition of DC output/input after power fail alarm	RW	uint(16)	2	1	Coils : Auto-On	0x0000 = off; 0xFF00 = auto-on	
	408		x		x	Condition of DC output/input after powering the device	RW	uint(16)	2	1	Coils : Power-On	0xFFFF = off; 0xFFFE = Restore	
	409	x		x		Operation mode (UIP/UIR)	RW	uint(16)	2	1	Coils : Operation mode	0x0000 = UIP; 0xFF00 = UIR	
	410	x		x		Restart of the device (warm start)	W	uint(16)	2	1	Coils : Restart	0xFF00 = execute	
	411	x		x		Acknowledge alarms	W	uint(16)	2	1	Coils : Alarms	0xFF00 = acknowledge	
	416	x		x		Analog interface: Reference voltage (pin VREF)	RW	uint(16)	2	1	Coils : VREF	0x0000 = 10V; 0xFF00 = 5V	
	417	x		x		Analog interface: REM-SB level	RW	uint(16)	2	1	Coils : REM-SB Level	0x0000 = normal; 0xFF00 = inverted	
	418	x		x		Analog interface: REM-SB action	RW	uint(16)	2	1	Coils : REM-SB Action	0x0000 = DC off; 0xFF00 = DC auto	
	425	x		x		Power stage after switching remote off	RW	uint(16)	2	1	Coils : Condition	0x0000 = off (default); 0xFF00 = unchanged	
	500		x		x	Set voltage value	RW	uint(16)	2	1	0x0000 - 0xD0E5 (0 - 102%)	Voltage value (for translation see programming guide)	
	501		x		x	Set current value	RW	uint(16)	2	1	0x0000 - 0xD0E5 (0 - 102%)	Current value (for translation see programming guide)	
	502		x		x	Set power value	RW	uint(16)	2	1	0x0000 - 0xD0E5 (0 - 102%)	Power value (for translation see programming guide)	
	503			x	x	Set resistance value	RW	uint(16)	2	1	minimum - 0xD0E5 (x - 102%)	Resistance value (the minimum value varies from model to model and can be calculated from the technical specification in the manual)	
	505		x			Device state	R	uint(32)	4	2	Bit 0-4: Control location Bit 5 : Config mode Bit 7 : DC output/input state Bit 9-10 : Regulation mode Bit 11 : Remote Bit 13 : Function mode Bit 14 : External sense Bit 15 : Alarms Bit 16 : OVP Bit 17 : OCP Bit 18 : OPP Bit 19 : OT Bit 21 : Power fail Bit 22 : Power fail Bit 23 : Power fail Bit 24 : UVD Bit 25 : OVD Bit 26 : UCD Bit 27 : OCD Bit 28 : OPD Bit 30 : REM-SB	0x00 = frei; 0x01 = lokal; 0x02 = fern; 0x03 = USB; 0x04 = analog; 0x06 = Ethernet 0 = off; 1 = active 0 = off; 1 = on 00 = CV; 01 = CR; 10 = CC; 11 = CP 0 = off; 1 = on 0 = off; 1 = on 0 = off; 1 = on 0 = none; 1 = active	