

寄存器地址 Register Add		Functionality	Unit	Data Type	Resolution	Nr of registers	(16bit)	Explanation	指令	Product Type	Functional Block	备注
(Hex)	(Dec)											
0x0000	0	Device name	/	ASCII	/	5			0x03	iWash-245/T	Device information	
0x0005	5	Device firmware version	/	ASCII	/	5			0x03	iWash-245/T	Device information	
0x000A	10	Device hardware version	/	ASCII	/	5			0x03	iWash-245/T	Device information	
0x000F	15	Firmware version ul	/	ASCII	/	5			0x03	iWash-245/T	Device information	
0x0014	20	Hardware version of the device	/	ASCII	/	5			0x03	iWash-245/T	Device information	
0x1000	4096	Comprehensive information about detects	/	Unsigned 16-bit number		1	1	0: No error 1: Valve position sensor failure 2: Valve switching failure 3: Communication error with variable speed pump drive 4: Variable speed pump inverter failure 5: Switching power supply failure 6: Abnormal pressure value	0x03	iWash-245/T	Real-Time values	This is the fault after address 8000H is merged. In the control, the judgment can be simplified.
0x1001	4097	Warning message	/	Unsigned 16-bit number	/		1	bit0: Abnormal input voltage bit1: Unspecified position bit2: EEPROM read and write error bit3: RTC Failure bit4: Pressure sensor disconnected bit5: Temperature sensor disconnection bit6: eeprom initialization error bit7~bit15: Reserved	0x03	iWash-245/T	Real-Time values	The data is a 16-bit binary number, each bit represents a corresponding meaning, and the corresponding bit is valid when it is 1.
0x1002	4098	Valve position	/	Unsigned 16-bit number		1	1	0: Undetermined position 1: Backwash position 2: Bypass position 3: Washing position 4: Closed position 5: Wastewater discharge 6: Filter position 7: Valve switching	0x03	iWash-245/T	Real-Time values	
0x1003	4099	Valve command	/	Unsigned 16-bit number		1	1	0: Standby mod 1: One-button backwash 2: Switch to bypass position 3: Turn the switch to the closed position 4: Switch to filter position 5: Switch to the waste water discharge position 6: Cancel the switch and return to the position before the switch 7: Reset	0x03	iWash-245/T	Real-Time values	
0x1004	4100	Input pressure unit ver	/	Unsigned 16-bit number		1	1	0: Mpa 1: Kpa 2: Psi 3: bar	0x03	iWash-245/T	Real-Time values	
0x1005	4101	Water pressure at the inlet	0: Mpa 1: Kpa 2: Psi 3: bar	Unsigned 16-bit number	0: 0.001 1: 1 2: 0.1 3: 0.01		1	0.000Mpa~0.600Mpa	0x03	iWash-245/T	Real-Time values	
0x1006	4102	Inlet water temperature	°C	Unsigned 16-bit number		0.1	1	300~1050	0x03	iWash-245/T	Real-Time values	
0x1008	4104	Oil input status	/	Unsigned 16-bit number	/		1	bit0: oil bit1: oil2 bit2~bit15: reserved	0x03	iWash-245/T	Real-Time values	The data is a 16-bit binary number, each bit represents a corresponding meaning, and the corresponding bit is valid when it is 1.
0x1009	4105	Relay output status	/	Unsigned 16-bit number	/		1	bit0: relay1 bit1: relay2 bit2~bit15: reserved	0x03	iWash-245/T	Real-Time values	The data is a 16-bit binary number, each bit represents a corresponding meaning, and the corresponding bit is valid when it is 1.
0x1100	4352	Device firmware version	/	Unsigned 32-bit number			2		0x03	iWash-245/T	Device information	
0x1102	4354	Device hardware version	/	Unsigned 32-bit number			2		0x03	iWash-245/T	Device information	
0x1104	4356	Firmware version ul	/	Unsigned 32-bit number			2		0x03	iWash-245/T	Device information	
0x1106	4358	ul device hardware version	/	Unsigned 32-bit number			2		0x03	iWash-245/T	Device information	
0x2000	8192	LINK485 function	/	Unsigned 16-bit number		1	1	0: Disable LINK485 function 1: Enable LINK485 function	0x03/0x06	iWash-245/T	Device control	
0x2001	8193	valve switch command	/	Unsigned 16-bit number		1	1	0: No action 1: Switch to backwash position 2: Switch to the positive flushing position 3: Switch to bypass position 4: Switch to closed position 5: Switch to filtering position 6: Switch to the sewage discharge position	0x03/0x06	iWash-245/T	Device control	
0x2002	8194	pressure sensor unit	/	Unsigned 16-bit number		1	1	0: Mpa 1: Kpa 2: Psi 3: bar	0x03/0x06	iWash-245/T	Device control	
0x3000	12288	Automatic flush time		Unsigned 16-bit number			1		0x03/0x06	iWash-245/T	Device configuration	
0x3021	12289	Main wash time	%	Unsigned 16-bit number			1		0x03/0x06	iWash-245/T	Device configuration	
0x3002	12290	Scheduled automatic backwashing	/	Unsigned 16-bit number			1		0x03/0x06	iWash-245/T	Device configuration	
0x3003	12291	Backwash start time	/	Unsigned 16-bit number			1		0x03/0x06	iWash-245/T	Device configuration	
0x3004	12292	Water pump backwash speed	%	Unsigned 16-bit number			1		0x03/0x06	iWash-245/T	Device configuration	
0x3005	12293	Pressure rating for automatic backwash suppression		Unsigned 16-bit number			1		0x03/0x06	iWash-245/T	Device configuration	
0x3006	12294	How to control the water	/	Unsigned 16-bit number			1		0x03/0x06	iWash-245/T	Device configuration	
0x3007	12295	Pump impeller speed when switching valve	%	Unsigned 16-bit number			1		0x03/0x06	iWash-245/T	Device configuration	
0x3008	12296	Setting the local time (hour:minutes)	/	Unsigned 16-bit number			1		0x03/0x06	iWash-245/T	Device configuration	
0x5000	20480	Local address	/	Unsigned 16-bit number		1	1	1~247		iWash-245/T	Comm configuration	
0x5001	20481	Transmission speed	/	Unsigned 16-bit number		1	1	0: Reserved 1: Reserved 2: 1200BPS 3: 2400BPS 4: 4800BPS 5: 9600BPS 6: 19200BPS 7: 38400BPS 8: 57600BPS 9: 115200BPS	0x03/0x10	iWash-245/T	Comm configuration	Configuration communication parameters need to start from 0x5000 and continue with 3 parameters.
0x5002	20482	Byte format	/	Unsigned 16-bit number		1	1	0: No checksum - data format <8,N,2> 1: Even parity - data format <8,E,1> 2: Odd parity - data format <8,O,1> 3: No verification - data format <8,N,1>		iWash-245/T	Comm configuration	
0x5003	20483	CRC format	/	Unsigned 16-bit number		1	1	0: CRC low bit first 1: CRC high bit first	0x03/0x06	iWash-245/T	Comm configuration	
0x8000	32768	Current fault	/	Unsigned 16-bit number		1	1	0: No fault 31: Position photoelectric switch failure 32: Position detection board is not connected 34: Switch position timed out and position is invalid 35: The valve does not rotate after the switching position timeout 36: Switch position timed out and position is incorrect 37: No valid position switching timeout at power on 38: Water pump inverter communication failure 39: Water pump inverter failure 40: Power switch power failure 41: Underpressure fault when switching valve 42: Switching power supply undervoltage 43: Switching power supply overvoltage 50: Pressure triggers frequent failures 51: Continuous pressure increases excess times	0x03	iWash-245/T	Real-Time values	Complete fault code