

# M/TIO Modbus Registers List

	Reg. No	Description	R/W		Range / Notes
UI1	20100	UI1 Current value	R	Numeric	
	20103	UI1 Type	R/W	Numeric	0=Disabled; 1=Contact; 6=Resistance High; 7=NTC
	20109	UI1 Offset	R/W	Numeric	Only for analog input types (6/7)
UI2	20200	UI2 Current value	R	Numeric	
	20203	UI2 Type	R/W	Numeric	0=Disabled; 1=Contact; 6=Resistance High; 7=NTC
	20209	UI2 Offset	R/W	Numeric	Only for analog input types (6/7)
UI3	20300	UI3 Current value	R	Numeric	
	20303	UI3 Type	R/W	Numeric	0=Disabled; 1=Contact; 6=Resistance High; 7=NTC
	20309	UI3 Offset	R/W	Numeric	Only for analog input types (6/7)
UI4	20400	UI4 Current value	R	Numeric	
	20403	UI4 Type	R/W	Numeric	0=Disabled; 1=Contact; 6=Resistance High; 7=NTC
	20409	UI4 Offset	R/W	Numeric	Only for analog input types (6/7)
UI5	20500	UI5 Current value	R	Numeric	
	20503	UI5 Type	R/W	Numeric	0=Disabled; 1=Contact; 2=PT1000; 5=Resistance Low
	20509	UI5 Offset	R/W	Numeric	Only for analog input types (2/5)
UI6	20600	UI6 Current value	R	Numeric	
	20603	UI6 Type	R/W	Numeric	0=Disabled;1=Contact; 2=PT1000; 3=0-10V; 4=2-10V; 5=Resistance Low
	20607	UI6 Value at 0(2) V	R/W	Numeric	Only for input types 3 & 4 (0-10V or 2-10V)
	20608	UI6 Value at 10 V	R/W	Numeric	Only for input types 3 & 4 (0-10V or 2-10V)
	20609	UI6 Offset	R/W	Numeric	Only for analog input types (2...5)
UI7	20700	UI7 Current value	R	Numeric	
	20703	UI7 Type	R/W	Numeric	0=Disabled;1=Contact; 2=PT1000; 3=0-10V; 4=2-10V; 5=Resistance Low
	20707	UI7 Value at 0(2) V	R/W	Numeric	Only for input types 3 & 4 (0-10V or 2-10V)
	20708	UI7 Value at 10 V	R/W	Numeric	Only for input types 3 & 4 (0-10V or 2-10V)
	20709	UI7 Offset	R/W	Numeric	Only for analog input types (2...5)
UI8	20800	UI8 Current value	R	Numeric	
	20803	UI8 Type	R/W	Numeric	0=Disabled;1=Contact; 2=PT1000; 3=0-10V; 4=2-10V; 5=Resistance Low
	20807	UI8 Value at 0(2) V	R/W	Numeric	Only for input types 3 & 4 (0-10V or 2-10V)
	20808	UI8 Value at 10 V	R/W	Numeric	Only for input types 3 & 4 (0-10V or 2-10V)
	20809	UI8 Offset	R/W	Numeric	Only for analog input types (2...5)
DI9	20900	DI9 Current value	R	Numeric	
	20903	DI9 Type	R/W	Numeric	0=Disabled; 1=Contact;
DI10	21000	DI10 Current value	R	Numeric	
	21003	DI10 Type	R/W	Numeric	0=Disabled; 1=Contact;
AO3	30300	AO3 value	R/W	Numeric	
	30303	AO3 Type	R/W	Numeric	0=Disabled;1=0-10V; 2=2-10V; 3=On/Off;
AO4	30400	AO4 value	R/W	Numeric	
	30403	AO4 Type	R/W	Numeric	0=Disabled;1=0-10V; 2=2-10V; 3=On/Off;
AO5	30500	AO5 value	R/W	Numeric	
	30503	AO5 Type	R/W	Numeric	0=Disabled;1=0-10V; 2=2-10V; 3=On/Off;
AO6	30600	AO6 value	R/W	Numeric	
	30603	AO6 Type	R/W	Numeric	0=Disabled;1=0-10V; 2=2-10V; 3=On/Off;
R1	30100	R1 Command	R/W	Numeric	
	30103	R1 Type	R/W	Numeric	0=Disabled; 3=On/Off;
R9	30900	R9 Command	R/W	Numeric	
	30903	R9 Type	R/W	Numeric	0=Disabled; 3=On/Off;
R19	31900	R19 Command	R/W	Numeric	
	31903	R19 Type	R/W	Numeric	0=Disabled; 3=On/Off;
R20	32000	R20 Command	R/W	Numeric	
	32003	R20 Type	R/W	Numeric	0=Disabled; 3=On/Off;
R21	32100	R21 Command	R/W	Numeric	
	32103	R21 Type	R/W	Numeric	0=Disabled; 3=On/Off;
DO7	30700	DO7 Command	R/W	Numeric	
	30703	DO7 Type	R/W	Numeric	0=Disabled; 3=On/Off;
	30727	PWM period	R/W	Numeric	in seconds. For PWM outputs
DO8	30800	DO8 Command	R/W	Numeric	
	30803	DO8 Type	R/W	Numeric	0=Disabled; 3=On/Off;
	30827	PWM period	R/W	Numeric	in seconds. For PWM outputs
	31000	DO7 Command	R/W	Numeric	

	Reg. No	Description	R/W		Range / Notes
OUT	31003	DO7 Type	R/W	Numeric	0=Disabled; 4=Floating
	31019	Valve run time	R/W	Numeric	in seconds. For floating outputs
Time/Date	8000	Seconds	R/W	Numeric	
	8001	Minutes	R/W	Numeric	
	8002	Hours	R/W	Numeric	
	8003	Day	R/W	Numeric	
	8004	Month	R/W	Numeric	
	8005	Year	R/W	Numeric	
	8006	Day-of-week	R/W	Numeric	
	8010	Auto sumemr time enable	R/W	Boolean	
	8011	Summer time starting month	R/W	Numeric	
	8012	Summer time ending month	R/W	Numeric	
Modbus	7000	Device address	R/W	Numeric	Requires restart
	7001	Baudrate	R/W	Numeric	0=1200; 1=2400; 2=4800; 3=9600; 4=19200
	7002	Parity	R/W	Numeric	0=None, 1=Even; 2=Odd
	7003	Stop bits	R/W	Numeric	0=1 stop bit; 1=2 stop bits
	6051	Version	R	Numeric	
	7102	Startup delay	R/W	Numeric	

**Notes**

- Numeric registers are signed integers
- Changing modbus comms parameters requires restart