MP-3000

Category	Modbus TCP Register	Description	Register Count	Type ID	Units	Writable	Possible Values
System ID	1032	Vendor Name	32	ASCII	no-units		
	1064	Model Name	32	ASCII	no-units		
	1096	Display Name	32	ASCII	no-units		
	1128	Device Type	32	ASCII	no-units		
	1605	Field Replaceable Unit	1	UINT16	no-units		
Status	3000	Status	1	UINT16	no-units		Ready - Stopped(0);Running(1);Tripped(2);Alarmed(3)

Category	Modbus TCP Register	Description	Register Count	Type ID	Units	Writable	Possible Values
							Unknown(0);Normal(1);External(7);Instantaneous Overcurrent(11);Ground Fault Trip(13);Override(16);RAM Failure(18);ROM Failure(19);Phase Unbalance(22);I2T(25);Jam(26);Underload(27);Trip Bypass(28);Remote(29);AD Converter Failure(32);Reverse Sequence(33);Incomplete Sequence(34);Opto Coupler Failure(35);Incomplete Transition(36);Overflow(37);Winding Temperature(39);Bearing Temperature(40);Load Bearing Temperature(41);Starts per Hour Exceeded(43);Program(74);Auxillary(82);Start(110);INCOM(122);RTD Failure(170);Anti Backspin(171);Zero Speed(172);Time Between Starts(173);Multiple Reasons(174);RTD Link Failure(221);Programming Error(222);Differential(223);Auxillary Temperature(224);Ground(225);Disarmed(226);Stop(227);Reset(228);59 Over Voltage(309);27 Under Voltage(310);81U Under Frequency(313);81O Over Frequency(314);47 Voltage Unbalance(316);55 Apparent Power Factor(317);32 Overpower/Underpower(329)
	3001	Status Reason	1	UINT16	no-units		
	3119	Percent Motor Thermal Capacity	1	UINT16	percent		
	3110	Remaining starts in starts/time	1	UINT16	minutes		
	3092	Time left in oldest start	1	UINT16	minutes		
	3093	Operations Count	1	UINT16	no-units		

Category	Modbus TCP Register	Description	Register Count	Type ID	Units	Writable	Possible Values
	3114	Run Time	1	UINT16	hours		
Meters	12231	Time of Last Reset	3	TIME	no-units		
	5002	Ia	2	FLOAT	amperes		
	5004	Ib	2	FLOAT	amperes		
	5006	Ic	2	FLOAT	amperes		
	5008	Ig	2	FLOAT	amperes		
	5012	Iavg	2	FLOAT	amperes		
	6186	Percent Full Load A	2	FLOAT	percent		
	6188	Percent Full Load B	2	FLOAT	percent		
	6190	Percent Full Load C	2	FLOAT	percent		
	6192	Percent Current Unbalance	2	FLOAT	percent		
	10281	Discrete Input 1	1	UINT16	no-units		Off(0);On(1);Not Supported(2)
	10282	Discrete Input 2	1	UINT16	no-units		Off(0);On(1);Not Supported(2)
	12008	Winding Temperature 1	2	FLOAT	degrees-Celsius		
	12010	Winding Temperature 2	2	FLOAT	degrees-Celsius		
	12012	Winding Temperature 3	2	FLOAT	degrees-Celsius		
	12014	Winding Temperature 4	2	FLOAT	degrees-Celsius		
	12016	Winding Temperature 5	2	FLOAT	degrees-Celsius		
	12018	Winding Temperature 6	2	FLOAT	degrees-Celsius		
	12020	Motor Bearing Temperature 1	2	FLOAT	degrees-Celsius		
	12022	Motor Bearing Temperature 2	2	FLOAT	degrees-Celsius		
	12024	Load Bearing Temperature 1	2	FLOAT	degrees-Celsius		
	12026	Load Bearing Temperature 2	2	FLOAT	degrees-Celsius		
	12028	Auxiliary Temperature	2	FLOAT	degrees-Celsius		
	12210	Delay Until Next Start	2	UINT32	minutes		
Alarms	13442	AD Converter Error Flag	1	UINT16	no-units		False(0);True(1)
	13445	Anti Backspin Flag	1	UINT16	no-units		False(0);True(1)
	13449	Battery Backed RAM Error Flag	1	UINT16	no-units		False(0);True(1)
	13462	Trip By-pass Flag	1	UINT16	no-units		False(0);True(1)
	13465	Differential Trip Flag	1	UINT16	no-units		False(0);True(1)

Category	Modbus TCP Register	Description	Register Count	Type ID	Units	Writable	Possible Values
	13468	Ground Fault Trip Flag	1	UINT16	no-units		False(0);True(1)
	13469	Ground Fault Alarm Flag	1	UINT16	no-units		False(0);True(1)
	13472	I2T Alarm Flag	1	UINT16	no-units		False(0);True(1)
	13473	I2T Trip Flag	1	UINT16	no-units		False(0);True(1)
	13479	Jam Alarm Flag	1	UINT16	no-units		False(0);True(1)
	13480	Jam Trip Flag	1	UINT16	no-units		False(0);True(1)
	13481	Load Bearing Temperature Alarm Flag	1	UINT16	no-units		False(0);True(1)
	13482	Load Bearing Temperature Trip Flag	1	UINT16	no-units		False(0);True(1)
	13490	Motor Bearing Temperature Alarm Flag	1	UINT16	no-units		False(0);True(1)
	13491	Motor Bearing Temperature Trip Flag	1	UINT16	no-units		False(0);True(1)
	13492	Motor Winding Temperature Alarm Flag	1	UINT16	no-units		False(0);True(1)
	13493	Motor Winding Temperature Trip Flag	1	UINT16	no-units		False(0);True(1)
	13494	Opto-coupler Error Flag	1	UINT16	no-units		False(0);True(1)
	13503	Phase Unbalance Alarm Flag	1	UINT16	no-units		False(0);True(1)
	13504	Phase Unbalance Trip Flag	1	UINT16	no-units		False(0);True(1)
	13506	Program Mode Flag	1	UINT16	no-units		False(0);True(1)
	13508	RAM Error Flag	1	UINT16	no-units		False(0);True(1)
	13509	Relay Disarmed Flag	1	UINT16	no-units		False(0);True(1)
	13510	Remote Trip Flag	1	UINT16	no-units		False(0);True(1)
	13513	ROM Error Flag	1	UINT16	no-units		False(0);True(1)
	13514	RTD Failure Alarm Flag	1	UINT16	no-units		False(0);True(1)
	13515	Incomplete Sequence Trip Flag	1	UINT16	no-units		False(0);True(1)
	13519	Time Between Starts Trip Flag	1	UINT16	no-units		False(0);True(1)
	13520	Incomplete Transition Trip Flag	1	UINT16	no-units		False(0);True(1)
	13529	Under Load Alarm Flag	1	UINT16	no-units		False(0);True(1)

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	13530	Under Load Trip Flag	1	UINT16	no-units		False(0);True(1)
	13533	URTD Comm Failure Alarm Flag	1	UINT16	no-units		False(0);True(1)
	13540	Zero Speed Switch Trip Flag	1	UINT16	no-units		False(0);True(1)
	14004	Ambient Temperature Alarm	1	UINT16	no-units		False(0);True(1)
	14006	Starts Per Hour Alarm	1	UINT16	no-units		False(0);True(1)
	14009	Ambient Temperature Trip	1	UINT16	no-units		False(0);True(1)
	14010	External Trip	1	UINT16	no-units		False(0);True(1)
	14011	Instantaneous Over Current Trip	1	UINT16	no-units		False(0);True(1)
	14015	Reverse Sequence Trip	1	UINT16	no-units		False(0);True(1)
	14016	Starts Per Hour Trip	1	UINT16	no-units		False(0);True(1)
Controls	2200	Set the Receive Date and Time Now	1	INT16	no-units		
	2203	Reset Alarm	1	INT16	no-units	Yes	
	2204	Reset Trip	1	INT16	no-units	Yes	
	2266	Reset Motor Data Maximum Values	1	INT16	no-units	Yes	
	2222	Release Time-Stamped Major Event Buffer	1	INT16	no-units	Yes	
	2224	Reset INCOM Slave Interface Statistics	1	INT16	no-units	Yes	
	2225	Reset Product Specific Statistics	1	INT16	no-units	Yes	