IQ DP-4000

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		
	18172	Energy Concentrator Configuration	125	ASCII	no-units		
Energy Concentrator Parameters	7222	Peak Demand Forward Watts	2	FLOAT	watts		
	7264	Peak Demand Reverse Watts	2	FLOAT	watts		
	7305	Peak Demand Lagging VARs	2	FLOAT	volt-amperes-reactive		
	7347	Peak Demand Leading VARs	2	FLOAT	volt-amperes-reactive		
Status	3048	Device Online Status	1	UINT16	no-units		**Offline(3);Online(4)**
	3000	Status	1	UINT16	no-units		**Off(0);Ready(1);Alarm 1(2);Alarm 2(3)**
	3001	Status Reason	1	UINT16	no-units		**Normal(0);RAM Failure(1);ROM Failure(2);A/D Converter Error(3);EEPROM Failure(4);Deadman Timer Error(5);Loss of Phase Current(6);Phase Reversal(7);Phase Unbalance(8);Loss of Phase Voltage(9);Under Voltage(10);Over Voltage(11);INCOM Initiated(12);Unknown(13)**
Meters	4002	Vab	2	FLOAT	volts		
	4004	Vbc	2	FLOAT	volts		
	4006	Vca	2	FLOAT	volts		
	4010	Van	2	FLOAT	volts		
	4012	Vbn	2	FLOAT	volts		

Category	Modbus TCP Register	Description	Register Count	Type ID	Units	Writable	Possible Values
	4014	Vcn	2	FLOAT	volts		
	5002	Ia	2	FLOAT	amperes		
	5004	Ib	2	FLOAT	amperes		
	5006	Ic	2	FLOAT	amperes		
	5014	Peak Demand Ia	2	FLOAT	amperes		
	5016	Peak Demand Ib	2	FLOAT	amperes		
	5018	Peak Demand Ic	2	FLOAT	amperes		
	5250	Demand Ia	2	FLOAT	amperes		
	5252	Demand Ib	2	FLOAT	amperes		
	5254	Demand Ic	2	FLOAT	amperes		
	6006	Real Power	2	FLOAT	watts		
	6070	Apparent Power	2	FLOAT	volt-amperes		
	6134	**Reactive Power**	**2**	**FLOAT**	**volt-amperes-reactive**		
	6218	PF Displacement	2	FLOAT	power-factor		
	6220	PF Apparent	2	FLOAT	power-factor		
	7004	Forward Real Energy	2	FLOAT	watt-hours		
	7006	Reverse Real Energy	2	FLOAT	watt-hours		
	7008	Net Real Energy	2	FLOAT	watt-hours		
	7010	Leading Reactive Energy	2	FLOAT	volt-ampere-reactive-hours		
	7012	Lagging Reactive Energy	2	FLOAT	volt-ampere-reactive-hours		
	7014	Net Reactive Energy	2	FLOAT	volt-ampere-reactive-hours		
	7016	Apparent Energy	2	FLOAT	volt-ampere-hours		
	7023	Demand Watts	2	FLOAT	watts		
	7220	Demand Forward Watts	2	FLOAT	watts		
	7262	Demand Reverse Watts	2	FLOAT	watts		
	7029	Demand VARs	2	FLOAT	volt-amperes-reactive		
	7303	Demand Lagging VARs	2	FLOAT	volt-amperes-reactive		

Category	Modbus TCP Register	Description	Register Count	Type ID	Units	Writable	Possible Values
	7345	Demand Leading VARs	2	FLOAT	volt-amperes-reactive		
	7035	Demand VAs	2	FLOAT	volt-amperes		
	7040	Peak Demand Watts	2	FLOAT	watts		
	7045	Peak Demand VARs	2	FLOAT	volt-amperes-reactive		
	7050	Peak Demand VAs	2	FLOAT	volt-amperes		
	7628	Total Reactive Energy	2	FLOAT	volt-ampere-reactive-hours		
	7679	Total Real Energy	2	FLOAT	watt-hours		
	9436	Percent THD Ia	2	FLOAT	percent		
	9438	Percent THD Ib	2	FLOAT	percent		
	9440	Percent THD Ic	2	FLOAT	percent		
	8148	Percent THD Vab	2	FLOAT	percent		
	8150	Percent THD Vbc	2	FLOAT	percent		
	8152	Percent THD Vca	2	FLOAT	percent		
	8154	Percent THD Van	2	FLOAT	percent		
	8156	Percent THD Vbn	2	FLOAT	percent		
	8158	Percent THD Vcn	2	FLOAT	percent		
	9328	Min Percent THD Ia	2	FLOAT	percent		
	9336	Max Percent THD Ia	2	FLOAT	percent		
	9330	Min Percent THD Ib	2	FLOAT	percent		
	9338	Max Percent THD Ib	2	FLOAT	percent		
	9332	Min Percent THD Ic	2	FLOAT	percent		
	9340	Max Percent THD Ic	2	FLOAT	percent		
	9373	**Min Percent THD Vab**	**2**	**FLOAT**	**percent**		
	9385	Max Percent THD Vab	2	FLOAT	percent		
	9375	Min Percent THD Vbc	2	FLOAT	percent		
	9387	Max Percent THD Vbc	2	FLOAT	percent		
	9377	Min Percent THD Vca	2	FLOAT	percent		
	9389	Max Percent THD Vca	2	FLOAT	percent		
	9379	Min Percent THD Van	2	FLOAT	percent		
	9391	Max Percent THD Van	2	FLOAT	percent		
	9381	Min Percent THD Vbn	2	FLOAT	percent		
	9393	Max Percent THD Vbn	2	FLOAT	percent		
	9383	Min Percent THD Vcn	2	FLOAT	percent		
	9395	Max Percent THD Vcn	2	FLOAT	percent		

Category	Modbus TCP Register	Description	Register Count	Type ID	Units	Writable	Possible Values
	11000	Frequency	2	FLOAT	hertz		
Alarms	13548	Alarm Active	1	UINT16	no-units		**False(0);True(1)**
	13555	Trip Event	1	UINT16	no-units		**False(0);True(1)**
Controls	2203	Reset Alarm 2	1	BOOL	no-units	**Yes**	
	2204	Reset Alarm 1	1	BOOL	no-units	**Yes**	
	2205	Reset Peak Demand Watts	1	BOOL	no-units	**Yes**	
	2206	Reset Energy	1	BOOL	no-units	**Yes**	
	2207	Reset Timestamped Event Buffer	1	BOOL	no-units	**Yes**	
	2208	Reset (Synchronize) Demand Watts and Demand Current Window	1	BOOL	no-units	**Yes**	
	2209	Save Energy Request	1	BOOL	no-units	**Yes**	
	2210	Reset Peak Demand Currents	1	BOOL	no-units	**Yes**	
	2227	Reset Min/Max Current %THD	1	BOOL	no-units	**Yes**	
	2228	Reset Min/Max Voltage %THD	1	BOOL	no-units	**Yes**	
	2222	Advance Time-Stamped Event Buffer	1	BOOL	no-units	**Yes**	
	2224	Reset INCOM Slave Interface Statistics	1	BOOL	no-units	**Yes**	
	2225	Reset Product Specific Statistics	1	BOOL	no-units	**Yes**	
	2226	Ack Energy Reset	1	BOOL	no-units	**Yes**	