IQ Analyzer 6400/6600

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		**Program(0);Normal(1); In Alarm and Program(2);Alarmed(3)**
	3001	Status Reason	1	UINT16	no-units		
Meters	4002	Vab	2	FLOAT	volts		
	4004	Vbc	2	FLOAT	volts		
	4006	Vca	2	FLOAT	volts		
	4008	V(L-L) Average	2	FLOAT	volts		
	4010	Van	2	FLOAT	volts		
	4012	Vbn	2	FLOAT	volts		
	4014	**Vcn**	**2**	**FLOAT**	**volts**		
	4016	**V(L-N) Average**	**2**	**FLOAT**	**volts**		
	5002	**Ia**	**2**	**FLOAT**	**amperes**		

Category	Modbus TCP Register	Description	Register Count	Type ID	Units	Writable	Possible Values
	5004	**Ib**	**2**	**FLOAT**	**amperes**		
	5006	Ic	2	FLOAT	amperes		
	5008	Ig	2	FLOAT	amperes		
	5010	In	2	FLOAT	amperes		
	5012	Iavg	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**		
	5282	**Peak Demand 3 Phase Current**	**2**	**FLOAT**	**amperes**		
	6000	**Real Power Phase A**	**2**	**FLOAT**	**watts**		
	6002	Real Power Phase B	2	FLOAT	watts		
	6004	Real Power Phase C	2	FLOAT	watts		
	6006	Real Power	2	FLOAT	watts		
	6064	Apparent Power Phase A	2	FLOAT	volt-amperes		
	6066	Apparent Power Phase B	2	FLOAT	volt-amperes		
	6068	Apparent Power Phase C	2	FLOAT	volt-amperes		
	6070	Apparent Power	2	FLOAT	volt-amperes		
	6128	Reactive Power Phase A	2	FLOAT	volt-amperes-reactive		
	6130	Reactive Power Phase B	2	FLOAT	volt-amperes-reactive		
	6132	Reactive Power Phase C	2	FLOAT	volt-amperes-reactive		
	6134	Reactive Power	2	FLOAT	volt-amperes-reactive		
	6180	K-Factor	2	FLOAT	no-units		
	6182	THD Factor	2	FLOAT	no-units		
	6206	PF Disp Phase A	2	FLOAT	power-factor		
	6208	PF Disp Phase B	2	FLOAT	power-factor		
	6210	PF Disp Phase C	2	FLOAT	power-factor		
	6212	PF App Phase A	2	FLOAT	power-factor		

Category	Modbus TCP Register	Description	Register Count	Type ID	Units	Writable	Possible Values
	6214	PF App Phase B	2	FLOAT	power-factor		
	6216	PF App Phase C	2	FLOAT	power-factor		
	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**		
	7679	**Total 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		
	7628	Total 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**		
	7021	**Power Demand Window**	**2**	**FLOAT**	**minutes**		
	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**		
	7345	**Demand Leading VARs**	**2**	**FLOAT**	**volt-amperes-reactive**		
	7035	Demand VAs	2	FLOAT	volt-amperes		
	7037	Time Last Demand Window	3	TIME	no-units		
	7040	Peak Demand Watts	2	FLOAT	watts		
	7042	Time Peak Demand Watts	3	TIME	no-units		
	7045	Peak Demand VARs	2	FLOAT	volt-amperes-reactive		
	7047	Time Peak Demand VARs	3	TIME	no-units		
	7050	Peak Demand VAs	2	FLOAT	volt-amperes		

Category	Modbus TCP Register	Description	Register Count	Type ID	Units	Writable	Possible Values
	7052	**Time Peak Demand VAs**	**3**	**TIME**	**no-units**		
	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		
	10283	Input 1	1	UINT16	no-units		**Inactive(0);Active(1)**
	10284	Input 2	1	UINT16	no-units		**Inactive(0);Active(1)**
	10285	Input 3	1	UINT16	no-units		**Inactive(0);Active(1)**
	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	2200	Receive Date and Time	3	TIME	no-units		
	2205	Reset Peak Demand Watts	1	BOOL	no-units	**Yes**	
	2206	Reset Energy	1	BOOL	no-units	**Yes**	
	2208	Reset (Synchronize) Demand Watts 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**	
	2223	Capture Waveform	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**	