

SECURE MAKE DIGITAL DEMAND ANALYZER METER TYPE ELITE 440

Registers for Instantaneous Parameters

MODBUS Register	Parameter	Description	Format	Type	Units	Remarks	
40100	40101	V1	R Phase to Neutral Voltage	32 bit FP	R	Volt	
40102	40103	V2	Y Phase to Neutral Voltage	32 bit FP	R	Volt	
40104	40105	V3	B Phase to Neutral Voltage	32 bit FP	R	Volt	
40106	40107	Vavg	Average Voltage	32 bit FP	R	Volt	
40108	40109	V12	RY Voltage	32 bit FP	R	Volt	
40110	40111	V23	YB Voltage	32 bit FP	R	Volt	
40112	40113	V31	BR Voltage	32 bit FP	R	Volt	
40114	40115	L1	R Phase Line current	32 bit FP	R	Ampere	
40116	40117	L2	Y Phase Line current	32 bit FP	R	Ampere	
40118	40119	L3	B Phase Line current	32 bit FP	R	Ampere	
40120	40121	LN	Neutral Line current	32 bit FP	R	Ampere	
40122	40123	I1	R Phase Active Current	32 bit FP	R	Ampere	
40124	40125	I2	Y Phase Active Current	32 bit FP	R	Ampere	
40126	40127	I3	B Phase Active Current	32 bit FP	R	Ampere	
40128	40129	R1	R Phase Reactive Current	32 bit FP	R	Ampere	
40130	40131	R2	Y Phase Reactive Current	32 bit FP	R	Ampere	
40132	40133	R3	B Phase Reactive Current	32 bit FP	R	Ampere	
40134	40135	Q1	Power factor	32 bit FP	R	+ for Lagging, - for Leading PF	
40136	40137	Q2	Power factor	32 bit FP	R	+ for Lagging, - for Leading PF	
40138	40139	Q3	Power factor	32 bit FP	R	+ for Lagging, - for Leading PF	
40140	40141	QA	Avg power factor	32 bit FP	R	+ for Lagging, - for Leading PF	
40142	40143	KT1	R- Phase Active Power	32 bit FP	R	kW	
40144	40145	KT2	Y- Phase Active Power	32 bit FP	R	kW	
40146	40147	KT3	B- Phase Active Power	32 bit FP	R	kW	
40148	40149	KT	3 Phase Active Power	32 bit FP	R	KW	
40150	40151	KV1	R- Phase Reactive Power	32 bit FP	R	kVAr	
40152	40153	KV2	Y- Phase Reactive Power	32 bit FP	R	kVAr	
40154	40155	KV3	B- Phase Reactive Power	32 bit FP	R	kVAr	
40156	40157	KV	3 Phase Reactive Power	32 bit FP	R	kVAr	
40158	40159	KA1	R- Phase Apparent Power	32 bit FP	R	kVA	
40160	40161	KA2	Y- Phase Apparent Power	32 bit FP	R	kVA	
40162	40163	KA3	B- Phase Apparent Power	32 bit FP	R	kVA	
40164	40165	KA	3 Phase Apparent Power	32 bit FP	R	kVA	
40166	40167	A12	RY ph ang	32 bit FP	R	Degree	
40168	40169	A23	YB ph ang	32 bit FP	R	Degree	
40170	40171	A31	BR ph ang	32 bit FP	R	Degree	
40172	40173	FQ	Frequency Hz	32 bit FP	R	Hz	
40174	40175	RT	Meter real Time	Unsigned 32 bit	R/W	Seconds	Time in seconds
40176	40177	Tempera	Meter Temperature	32 bit FP	R	Degree C	Temperature of meter
40178	40179	THDV1	R-Phase Voltage Total Harmonic Distortion	32 bit FP	R	%	
40180	40181	THDV2	Y-Phase Voltage Total Harmonic Distortion	32 bit FP	R	%	
40182	40183	THDV3	B-Phase Voltage Total Harmonic Distortion	32 bit FP	R	%	
40184	40185	THDC1	R-Phase Current Total Harmonic Distortion	32 bit FP	R	%	
40186	40187	THDC2	Y-Phase Current Total Harmonic Distortion	32 bit FP	R	%	
40188	40189	THDC3	B-Phase Current Total Harmonic Distortion	32 bit FP	R	%	
40190	40191	THDP1	R-Phase Power Total Harmonic Distortion	32 bit FP	R	%	
40192	40193	THDP2	Y-Phase Power Total Harmonic Distortion	32 bit FP	R	%	
40194	40195	THDP3	B-Phase Power Total Harmonic Distortion	32 bit FP	R	%	
40196	40199		Unused- Reserved				