

QNA 500

Modular power quality analyzer

Variables

Log variables	Unit	L1	L2	L3	III
Phase-phase and phase-neutral voltage (effective, maximum, minimum)	V	•	•	•	•
Current (effective, maximum, minimum)	A	•	•	•	•
Neutral current (effective, maximum, minimum)	A				•
Neutral earth voltage (effective, maximum, minimum)	V				•
Frequency (effective, maximum, minimum)	Hz	•	•	•	
Active power (effective, maximum, minimum)	kW	•	•	•	•
Inductive reactive power (effective, maximum, minimum)	kVar	•	•	•	•
Capacitive reactive power (effective, maximum, minimum)	kVar	•	•	•	•
Apparent power (effective, maximum, minimum)	KVA	•	•	•	•
Maximum demand	kW	•	•	•	
Power factor (effective, maximum, minimum)		•	•	•	•
Crest factor (voltage and current)	V o A	•	•	•	
K factor		•	•	•	
Active energy	kWh	•	•	•	•
Inductive reactive energy	kVarh	•	•	•	•
Capacitive active energy	kVarh	•	•	•	•
Voltage THD or TDD (effective, maximum, minimum)	%	•	•	•	
Current THD or TDD (effective, maximum, minimum)	%	•	•	•	
Voltage harmonics (up to 50 th order)	Arm V	•	•	•	
Current harmonics (up to 50 th order)	Arm A	•	•	•	
Voltage interharmonics (up to 50 th order)	Arm V	•	•	•	
Current interharmonics (up to 50 th order)	Arm A	•	•	•	
Flicker (PST)		•	•	•	
Gaps	%	•	•	•	
Interruptions	%	•	•	•	
Overvoltage	%	•	•	•	
Voltage transients		•	•	•	
Current transients		•	•	•	
Voltage unbalance		•	•	•	
Current imbalance		•	•	•	

References

Type	Code	Energy accuracy	Class	Harmonics	Events	Transitory log	Inputs / Outputs	Impulse centraliser	Demand control
K-QNA 500	Q20911	0,5	S	50	•	•	-	-	-
K-QNA 500 8IO	Q20912	0,5	S	50	•	•	8 / 8 digitals	•	-
K-QNA 500 8IOR	Q20913	0,5	S	50	•	•	8 / 8 relay	•	•
K-QNA 500-A	Q20931	0,2	A	50	•	•	-	-	-
K-QNA 500-A 8IO	Q20932	0,2	A	50	•	•	8 / 8 digitals	•	-
K-QNA 500-A 8IOR	Q20933	0,2	A	50	•	•	8 / 8 relay	•	•

Each unit is made up of a BASE module (power supply) + measurement module + relay module (depending on the type)

Type	Code	Class	Inputs	Outputs	Memory	Web server	Communications
QNA 500	Q20901	S	-	-	2 GB	•	-
QNA 500-A	Q20921	A	-	-	2 GB	•	-
8IO	Q20902	-	8	8 digitals	2 GB	•	-
8IOR	Q20903	-	8	8 relay	2 GB	•	-
QD-500	Q20915	-	Display module		-	-	RS-485/RS-232