

Electro Industries Power Meter

Shark ▶

- Multifunction TRMS Measurements
- Meets ANSI C12.20 and IEC 687 0.2% Accuracy Class
- Bright 0.56" 3 Line LED Display
- % of Load Bar for Analog Perception
- Programmable CT & PT Ratios
- Modbus and DNP Protocol
- RS-485, Ethernet or fiber communication



Parameter	Accuracy	Display
Voltage L-L & L-N:	0.1%	0-9999 V or kV, scalable
Current:	0.1%	0-9999 Amps or kAmps
± Watts	0.2%	0-9999 Watts, kWatts, MWatts
±Wh	0.2%	5 to 8 Digits Programmable
±VARs	0.2%	0-9999 VARs, kVARs, MVARs
±VARh	0.2%	5 to 8 Digits Programmable
VA	0.2%	0-9999 VA, kVA, MVA
VAh	0.2%	5 to 8 Digits Programmable
PF	0.2%	±0.5 to 1.0
Frequency	0.01 Hz	45 to 65 Hz
%THD	1.0%	0 to 100%
% Load Bar	1-120%	10 Digit Resolution Scalable

Real time measurements for all parameters; plus Min/Max for V, A, W, VAR, VA, PF, f, %THD: Average for A, W, VAR, VA, PF

SPECIFICATIONS

System:	3 Element Y, 2.5 Element Y, 2 Element Δ, 4 Wire Δ
Voltage Input:	0-416VAC L-N, 0-721VAC L-L
Max. Burden:	0.36VA per phase at 600V, 0.014VA at 120V
Current Withstand:	100A for 10sec, 300A for 3sec, 500A for 1sec
Max. Burden:	0.005VA per phase at 11A
Pass-thru Wire:	0.177" (4.5mm) max dia.
Isolation:	All Inputs and Outputs are galvanically isolated to 2500VAC
Operating Temp:	-30 to +70°C, <95% RH non-condensing
Sampling:	400+ Samples/Cycle, all channels measured simultaneously
Update Rate:	1sec, except 100msec on Watts, VAR, VA
Power Supply:	90-265VAC / 100-37-VDC, 10VA
Communications:	RS485 Port (rear), IrDA (faceplate)
Protocol:	Modbus RTU, ASCII or DNP 3.0
Dimensions, Ratings:	4.85"H x 4.82"W x 4.25"D, NEMA12 FACE

ORDERING INFORMATION

To Order—Insert Number Code for Each Letter to Select Catalog Number.
Order Example: EI/Shark100-60-10-V2-485-X

EI/SHARK	A	B	C	D	E	F
A	Model*					
	100	Power Meter/Transducer with LED Display				
	200	Advanced Power Meter/Transducer				
B	Frequency					
	50	50Hz				
	60	60Hz				
C	Current Input Class					
	10	0-11A (5A nominal)				
	2	0-2A (1A nominal)				
D	Functions					
	V1	Volts/Amps				
	V2	V1 + Power & Frequency				
	V3	V2 + Energy Counters, DNP3.0				
	V4	V3 + Harmonics & Limits				
E	Communications					
	X	None				
	485	RS-485				
F	Mounting					
	X	ANSI				
	DIN	DIN mounting brackets				

* Add suffix T for Transducer only (DIN mount) without display

Simpson Digital Power Meters

- Measure up to 23 Parameters
- Standard 1/4 DIN Case
- Wide Backlit LCD Display
- Four Keys Select All Parameters
- Software Detection/Correction of Wiring Errors



Parameter	G100	G200	G300	G400
Phase Amps	•	•	•	•
Phase Volts	•	•	•	•
Line Volts	•	•	•	•
Per phase PF	•	•	•	•
Per phase kW	•	•	•	•
Per phase kvar			•	•
Per phase kVA				•
3 Phase PF	•	•	•	•
3 Phase kW	•	•	•	•
3 Phase kvar			•	•
3 Phase kva				•
Frequency	•	•	•	•
kWh		•	•	•
Capacitive kvarh			•	•
Inductive kvarh			•	•
Total kvarh			•	•
Import kWh				•
Current Demand	•	•	•	•
Voltage Demand	•	•	•	•
kW Demand			•	•
Peak Amps				•
Peak Phase Volts				•
Peak Current Demand	•	•	•	•
Peak Voltage Demand	•	•	•	•
Neutral Current				•

SPECIFICATIONS

System:	3 phase, 3 or 4 wire, unbalanced load
Input:	0.5% to 120% of range
Frequency:	45-65Hz
Harmonics:	up to 20th harmonic
Operating Temperature:	-10°C to 65°C, <75% RH
Accuracy:	Current: ±0.2% of full scale
	Voltage: ±0.3% of full scale
	Watts: ±0.4% of full scale

ORDERING INFORMATION

To Order—Insert Number Code for Each Letter to Select Catalog Number.
Order Example: SI/G100-1-3-1-0

A	B	C	D	E
A	Basic Unit			
	SI/G100	GIMA 100 Meter		
	SI/G200	GIMA 200 Meter		
	SI/G300	GIMA 300 Meter		
	SI/G400	GIMA 400 Meter		
B	Power			
	1	115VAC		
	2	230VAC		
C	Voltage Input			
	1	120/208V		
	2	120/240V		
	3	277/480V		
	4	63/110V		
D	Current Input			
	1	5 Amp		
E	Other			
	0	None		
	1	ModBus Communication		