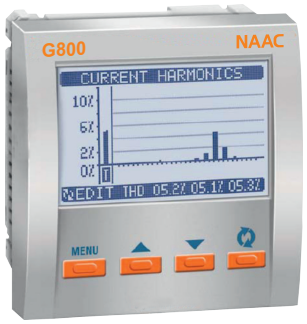


- Flush-mount LCD Power Analyzer, 96x96 mm
- Expandability with expansion modules
- High accuracy measuring of Active Energy with Class 0.5S
- Graphic 128x80 pixel LCD display
- Harmonic Analysis - upto the 31st order Harmonic
- More than 350 measured electrical parameters
- Auxiliary Supply 100-440V AC / 110-250V DC
- RS485 port
- Three Phase + Neutral

Product Detail

Power Analyzer series	G
Model	G800
Type	Energy and Power Meter

Technical Specifications

Auxiliary supply Us			
Auxiliary rated supply voltage AC			100V...440V AC
Auxiliary rated supply voltage DC			110V...250V DC
Auxiliary operating voltage range	AC	min	90V AC
		max	484V AC
Auxiliary operating voltage range	DC	min	93.5V DC
		max	300V DC
Operational frequency		min	45 Hz
		max	66 Hz
Power consumption		max	3.9 VA
Power dissipation		max	3.4 W

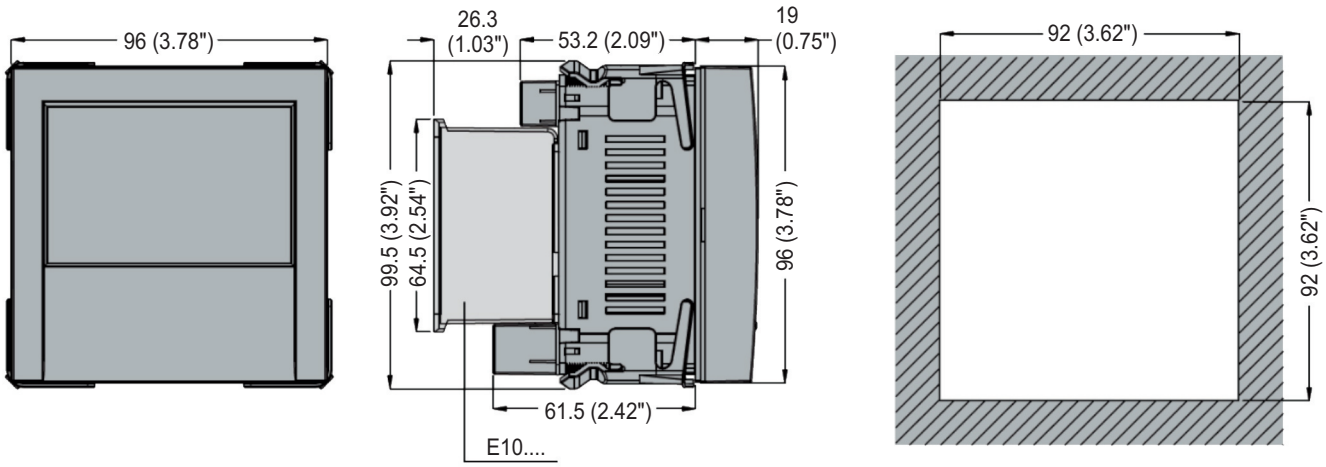
Measuring Voltage inputs			
Rated Voltage (Ue)	phase-phase		690V AC
	phase-neutral		400V AC
Operating Voltage range	phase-phase		20V...830V AC
	phase-neutral		10V...480V AC
Voltage inputs operational frequency		min	45 Hz
		max	66 Hz
Voltage inputs measurement method		True RMS	
Connection method		Single. Two. three-phase with or without neutral. Balanced three-phase system	

Current Inputs	
Rated Current (Ie)	1A / 5A
Measurement range	0.01...1.2 / 0.01...6
Measurement method	TRMS
Overload capacity	+20% Ie by external CT with 5A secondary
Overload peak	50A for 1s

Technical Specifications

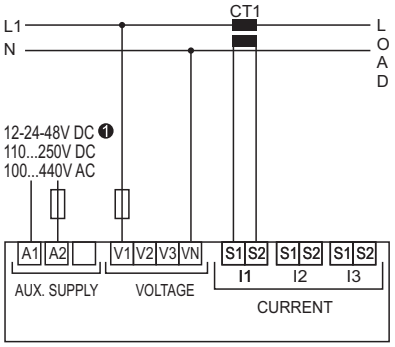
Accuracy			
Measurement conditions		±0.2%	VLN Voltage
(T +23°C ±1 °C / Rel. Humidity 45 ±15% R.H.)		±0.2%	VLL Voltage
		±0.2%	Current
		±0.05%	Frequency
		±0.5% f.s.	Active Power
		Class 0.5s	Active Energy
		Class 2	Reactive Energy
Communication			
Communication Port		RS485	
Communication Protocol		Modbus-RTU, ASCII and TCP	
Insulations			
Rated insulation voltage Ui		690V	
Rated impulse withstand voltage Uimp		9.5 kV	
Operating frequency withstand voltage		5.2 kV	
Mechanical features			
Housing type		Polyamide	
Terminals type		Removable	
Conductor cross section	min.	0.2 mm^2	
	max.	2.5 mm^2	
	min.	24 AWG	
	max.	12 AWG	
Tightening torque (Max)		0.5 Nm	
		4.5 lbin	
Fixing		Flush-mounting, 96x96mm	
Weight		510 gram	
Expansion Slot		3 nos.	
Ambient Conditions			
Operating temperature	min	-20°C	
	max	+60°C	
Storage temperature	min	-30°C	
	max	+80°C	
Relative humidity		<90 %	
Maximum Pollution degree		2	
Protection degree		IP65	

Dimension

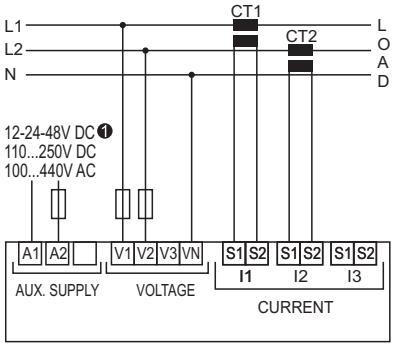


Wiring Diagrams

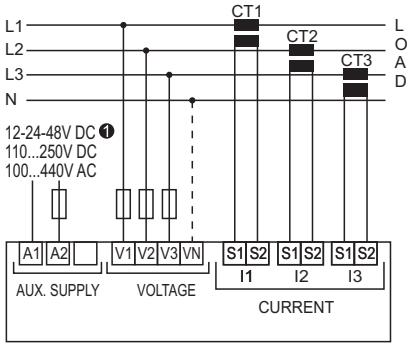
Single-phase



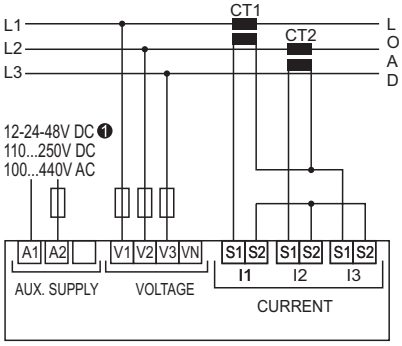
Two-phase

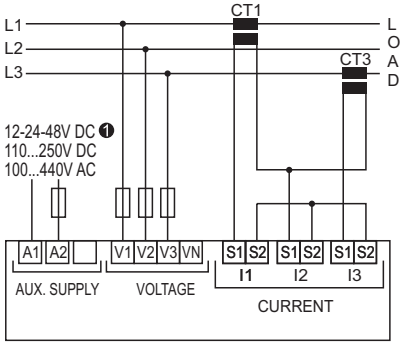


Three-phase with or without neutral



Three-phase without neutral in ARON connection





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