

EnergyLogix EL600 Series

Part of the EnergyLogix product range



Features:

- 2 powerful meters in one 96x96 unit
- Measures 2x 3 ϕ , 6x 1 ϕ circuits or any combination
- Plug & play RJ12 to RJ12 CT connections
- Only 1 voltage & 1 comms connection
- Class 0.5 (0.2 option) energy measurement
- Available in Pulse, Modbus and fast Modbus communication protocols
- Wide range of mV CTs & Rogowski Ropes
- Auto CT rotation & CT ratio recognition
- Crossed phase warning
- Available in a pre-wired metering enclosure
- 5-year warranty

Benefits:

- Space saving 2 in 1 panel mount case
- Lower 'cost per meter point'
- Reduces installation time by up to 50-75%
- Reduced installation errors
- Ideal for new installations or meter replacement
- Suitable as an energy or power meter
- Fast and easy set up program
- Can be delivered as a ready wired metering panel for fast installation
- Peace of mind with a 5-year warranty
- Ideal system product

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Multi-Parameter Available via Display & MODBUS/TCP/IP
(* only available via remote communication port i.e. RS485, TCP/IP)

	All phases	Sum
Volts, L-N & L-L	●	
Amps	●	
Power Factor	●	●
Import kWh, kvarh		●
kW	●	●
Frequency	●	
Hours run (on load)		●
*Export kWh, kvarh		●
*Inductive and capacitive kvarh		●
*Peak Volts, L-N	●	
*Peak Amps	●	
*Neutral Amps		●
*kW, kVA & kvar	●	●
*kW, kVA & kvar Demand		●
*Peak kW, kVA, & kvar Demand		●
*Average Volt & Peak	●	
*Amp Demand & Peak	●	
*(Option) % THD Volts & Amps	●	
Individual harmonics 2nd – 15th	●	

True rms measurement of Volts & Amps – and true Power Measurement – to the 30th harmonic at 50Hz.

SAFETY

Conforms to EN 61010-1 Installation Category III Accreditation
UL, cUL, RCM/C-Tick, CB, CE

Also, in the range...



EL100 Series

A range of industry standard panel mount meters with Pulse, Modbus & Modbus TCP/IP options.



EL300 Series

A modular meter range with Pulse, Modbus & Modbus TCP/IP options. Single & three phase monitoring for complete flexibility.



Tenant Billing

Simplify & speed up the process of bill generation for landlords and managing agents.

INPUTS

System	3 Phase 3 or 4 Wire Unbalanced Load	
Voltage U	480/277V 110/63V & 208/120V (optional)	
Current I	0.333V	
Measurement Range	Voltage	20% to 120%
	Current	0.2% to 120%
Frequency Range	Fundamental	45 to 65Hz
	Harmonics	Up to 30th harmonic at 50Hz (Option) Individual up to the 15th (Option)

AUXILIARY SUPPLY

Standard	230V 50/60Hz at 5W max
Option	110V 50/60Hz at 5W max

ACCURACY

kWh	Class 1 per EN 62053-21 & BS 8431 ANSI C12.16. 1.0
kvarh	Class 2 per EN 62053-23 & BS 8431
kW & kVA	Class 0.25 IEC 60688
kvar	Class 0.5 IEC 60688
Amps & Volts	Class 0.1 IEC 60688
PF	±0.2°
Neutral Current	Class 0.5 IEC 6068

PULSE OUTPUTS

Function	1 pulse per unit of energy
Scaling	Configurable
Pulse duration	0.1 second default (other durations configurable)
Type	N/O volt free contact. Optically isolated.
Contacts	100mA ac/dc max; 70Vdc/33Vac max; 5W maximum load
Isolation	3.5kV 50Hz 1 minute

GENERAL

Operating	-10°C to +55°C
Storage	-25°C to +70°C
Humidity	<75% non-condensing
Environment	IP54

MECHANICAL

Terminals	Rising cage. 4mm $\varnothing$ (12AWG) cable max
Enclosure	DIN 43700 96x96
Material	Mablex® with fire protection to UL94-V-O. Self-extinguishing
Dimensions	96x96x83.5mm (72mm behind the panel)
Weight	~ 250 gms