

EnergyLogix EL300 Series

Part of the EnergyLogix product range



Features:

- Modular, scalable metering system
- Functions as 60x 1Φ meters or 20x 3Φ meters, or a mix
- Class 1 energy measurement
- Available in Pulse, Modbus, Modbus TCP/IP and M-Bus
- Din-Rail mounted
- Simple set up and commissioning program
- Available in a pre-wired metering enclosure
- 5-year warranty
- Compatible with EnergyLogix energy management software and other software platforms

Benefits:

- Extremely cost-effective metering solution
- Flexible metering for single and 3-phase installations
- Fully scalable and can be expanded too if required
- Accurate energy measurement
- Embedded Modbus network makes it ideal for real-time systems
- Fast to install and expandable metering solution
- Can be delivered as a pre-wired metering panel for fast installation
- Peace of mind with a 5-year warranty

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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	●	●
Import kvarh	●	●
Export kWh		●
kVAh		●
Inductive kvarh		●
Peak Volts, L-N	●	
Peak Amps	●	
Neutral Amps		●
kVA & kvar	●	●
kW, kVA & kvar Demand		●
Peak kW, kVA, & kvar Demand		●
Average Volt & Peak	●	
Amp Demand & Peak	●	
Frequency		

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

SAFETY

Conforms to EN 61010-1:2001 Installation Category III, Pollution Degree 2 Accreditation UL, cUL, C-Tick, CB

Also, in the range...



EL100 Series

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



EL200 Series

A range of DIN Rail meters with Pulse, Modbus & Modbus TCP/IP options.



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	90-480V L-L / 50-277V L-N	
Current I	Nominal 0.333V from ND Externally Isolated Custom Current Sensors	
Measurement Range	Voltage	40% to 120% of Nominal
	Current	0.2% to 120% Nominal CT Rating
Frequency Range	Fundamental	45 to 65Hz
	Harmonics	Up to 30th harmonic at 50Hz (Option)

AUXILIARY SUPPLY

90-264Vac 50/60Hz at 15 VA max

ACCURACY

kWh	Class 1 per EN 62053-21 & BS 8431
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 60688

GENERAL

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

MECHANICAL

Material	Black ABS with fire protection to UL94-V-O. Self-extinguishing
Dimensions	Height: 164 mm, Depth: (Off Wall) 96 mm, Length: Master Display Unit: 100 mm. Communication Module: 29 mm Dual Metering Slave: 29 mm
Weight	Master: ~ 500 gms MODBUS RTU ~ 175 gms Metering: ~ 150 gms