CORINEX

Edge AMI
Solution

Corinex AMI CLMS300

As part of our Broadband over Power Line (BPL) end-to-end solution, this residential smart meter collects end-user data, performs demand load management, and provides secure, near real-time communication over utility customers' existing electric infrastructure. The CLMS300 advanced meter, along with our vertically integrated products and GridValue Elements Management Software (EMS), is enabling utilities to provide the next generation of smart-grid applications and distributed energy resource services.

Network Management
- Corinex GridValue

Data Concentrators
- Corinex AMI Concentrator
- Corinex AMI Coupler

Data Collectors
- Corinex AMI CLMS300
- Corinex AMI CLMS100

Features

- Corinex BPL's superior communication performance & voltage sensing capability
- Improved frequency modulation over competing technologies
- Promotes network ownership and gives control back to utilities
- A proven and tested solution that reduces deployment risks
- Fully automated network deployment. Zero-touch network maintenance technology
- Low cost, inter-operable and future-proof solution
- Unification of data from all smart meters and IoT devices in the network

Key Benefits

End-To-End Integrated Solution	Near Real-Time Visibility	High Speed Networking	Encryption And Security	Grid Control Management	Scalable Dependable Coverage

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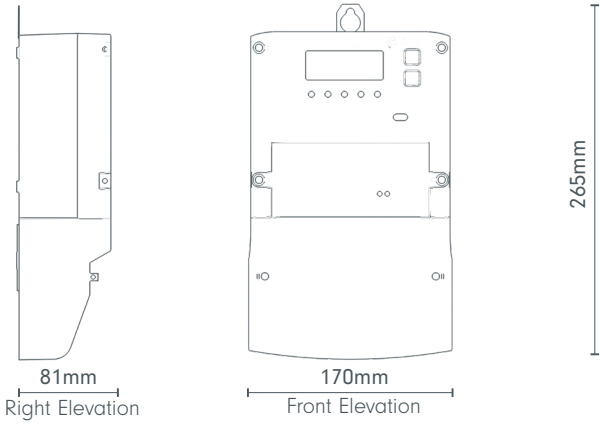
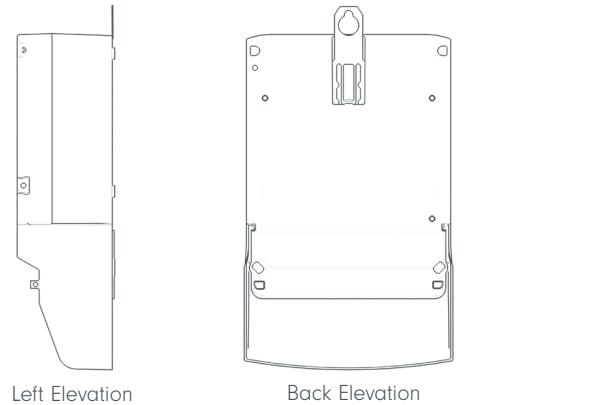
Technical Specifications

Model No.		CLMS300
Electrical	Power Input	"3 Phase 4-Wire 220V/230V/240V, 50/60 Hz"
	Power Consumption	VA (1W, 2VA), Current (1 VA)
Mechanical	Dimensions	265-301mm x 170mm x 81mm
	Weight	appx. 1.7 kg
	Mounting	DIN Rail (T)
	Enclosure	Plastic (PC) + 10% GF
Environmental	Safety and EMI	CE MID
	Operating Humidity	≤ 95% non-condensing
	Operating Temperature	-40C to +70C
	Noise Immunity	CE MID
	Fire Class	DIN 60950-1, V-1
Communication	PLC Standard	G.hn-BPL (ITU-T- G9960)
	Backbone Speed	Up to 200Mbps on physical layer
	Ethernet Interface	
	PLC Interface	Powerline
	Frequency Range	2 - 50 MHz
	Signal Insertion Loss	
	Supporting Protocols	IEC 62052-11, IEC 62053-21/23, EN 50470-1/3, IEC 62056
	MAC Address	1024
	Max VLAN/OVLAN Tags	16

LABORATORY SPECIFICATIONS | ACTUAL TRANSMISSION SPEEDS MAY DIFFER DUE TO ENVIRONMENTAL CONDITIONS





SCHEMATIC DRAWINGS NOT TO SCALE