

Electricity Meters
Communication Units for
Residential Metering

**Landis
+Gyr⁺**
manage energy better



Landis+Gyr E35C

Enabling the future of
energy management

A flexible solution for every utility need

The E350 meter family offers utilities best-in-class solutions to prepare them for the future of energy management. The E350 meter, E35C communications module and our Gridstream system have been designed to cover every utility requirement, which is important in a rapidly changing market environment.

Each aspect of the meter family is highly flexible and provides strong functionality. The solution offers a broad range of functions and smart metering possibilities and is an integral part of Landis+Gyr's smart grid solution Gridstream® which covers the entire energy supply chain.

By providing interoperability and best-in-class modular design, the meter family offers longevity and secures utilities long term investment. As a complete solution provider, Landis+Gyr offers interoperability with devices of other manufacturers. E350 serves as a gateway for collecting data and interacting with the 3rd party gas, heat and water meters through the M-bus interface.

As a trusted partner, Landis+Gyr listens to its customers and understands their unique needs. Due to this profound utility insight and anticipated future market changes, Landis+Gyr has designed a family of products to satisfy every utility requirement today and in the future.

Landis+Gyr is the leading provider of integrated energy management solutions in the world. With its end-to-end smart grid solution Gridstream, Landis+Gyr enables utilities to maximize potential of their energy management assets through easy access to a wide range of advanced multi-energy products and systems.

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E35C communication module: a one-stop-shop solution for future-proof smart metering

The E35C communication module has been designed to meet the latest smart metering requirements, building on the flexibility of Landis+Gyr's E350 meters and modules. The E35C supports a multi-energy AMI solution and can be connected to up to four gas, heat and water meters through M-bus, making them accessible from a central station. The E35C communication module will transform any installed E350 meter to a Gridstream solution compliant smart meter.

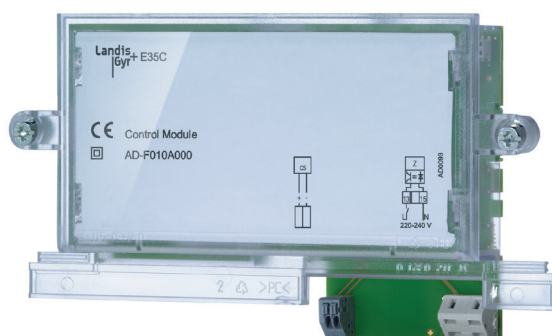


E35C offers utilities a modular approach:

- Supported by Landis+Gyr's Gridstream solution
- Runs on communication technologies such as cellular 2G/3G, PLC (Power Line Carrier) and Ethernet
- Connects to up to four multi-energy devices via M-Bus
- Enables personal energy management through a standardized interface
- Features advanced time-of-use tariffication and load profiles
- Firmware updated during operation via DLMS protocol over any external communication channel
- Supports a future orientated smart metering system including meters, concentrators, remote data acquisition and data evaluation in the central station

E35C provides revenue protection:

- Disconnect capabilities to connect or disconnect the electricity-network of the consumers at their premises
- Fraud detection via an anti-tampering kit against strong magnetic fields and terminal cover removal. Upgradeable through a 'plug and play' function. Ability to monitor power quality



E35C supports best-in-class technology:

		E35C Control Modul	E35C PLC ver. 3.2	E35C 2G/3G ver. 4.0	E35C Ethernet ver. 4.0
Metering	Internal clock				
	Daily billing values				
	Load profiles				
	Power quality				
	Max. demand super vision				
	Remotely configurable tariff/rate control				
Tariffing	TOU up to 4 rates				
	TOU up to 6 rates				
Communication to the central station	PLC				
	GSM / GPRS				
	UMTS				
	Ethernet				
Rate control	Control Input				
	Internal time of use				
Digital inputs	Status input or S0 pulse input				
Local Communication	passive CS (current loop)				
	wired M-Bus master interface (max. 4 M-bus device or 10 M-bus loads)				
	wireless M-bus master interface ²				
Disconnecter control	Consumer Information Interface (CII) of E350 series 2				
Outputs ¹⁾	output contact(s) 100mA, 230VAC (control output contact or S0)				
Multi Energy Support	M-bus master for up to 4 M-bus meters (gas, water, heat, electricity)				
	supports wireless M-bus				
	support of 3rd party M-bus device (acc. Landis+Gyr compatibility list)				
	M-bus encryption acc. EN13757				
Extended functions	SMS alarm at power down/resume with super cap (order option)				
	AES 128 data encryption & authentication				
	IDIS pack 2 certified				

¹⁾ order option for E35C GPRS and PLC, either rate control input or output

Modules

- Expands the modular meter with multifaceted possibilities
- No metrological approval necessary
- Provides customized communication
- Additional functions easily integrated in future modules easily
- Easily adapted in the E350 meters without breaking the certification seal
- All modules working with modular meters E350 series 1+2

Securing your investment with high flexibility and strong functionality

Landis+Gyr's E35C communications module satisfies the industry's most sought-after utility requirements and thereby offers a one-stop-shop for multi-energy meter reading, personal energy management, and efficient energy data management.

The module is easily integrated and upgradable through a 'plug and play' function allowing utilities to be flexible for future smart metering requirements. Manage energy better with its unique functions and customized approach.

Multi-energy metering

Integrating multiple energy forms into just one system allows utilities to provide services to other gas, heating and water companies that operate in the same area.

Personal energy management

The E35C modules feature a Consumer Information Interface. This enables consumers to manage their energy consumption as they are able to identify areas where potential savings can be made.

Manage energy better

Landis+Gyr is the leading global provider of integrated energy management solutions for the utility sector. Offering one of the broadest portfolios, we deliver innovative and flexible solutions to help utilities solve their complex challenges in smart metering, grid edge intelligence and smart infrastructure. With sales of USD 1.8 billion, Landis+Gyr employs approximately 5,600 people in over 30 countries across five continents, with the sole mission of helping the world manage energy better. More information is available at www.landisgyr.eu.

Landis+Gyr in short

- Swiss HQ with 5'600 employees in 30+ countries worldwide
- Serving 3'500+ utilities worldwide
- Over USD 1b of self-funded R&D investment since 2011
- Over 90 million connected intelligent devices deployed
- More than 14 million meter points under managed services
- TWorld's largest smart grid IoT project with 300+ million devices globally
- Frost & Sullivan Global AMI Company of the Year 2017 - the 4th consecutive year

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