

Electricity Meters / IEC

INDUSTRIAL+COMMERCIAL

Landis+Gyr Dialog

INCREASED SECURITY - IMPROVED REVENUE

Landis+
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The topic of „non-technical losses“ is continuously gaining importance. Our new meter range offers you the possibility to act against this trend and secure your revenue.

BASIC FUNCTIONALITY

Landis+Gyr Dialog	
ELECTRONICS	Large LCD display Optical button for the display Backlit display Utility sealed reset button Optical interface (IEC62056) Optical test output
RECORDING	Max. 16 energy registers 8 demand registers Tariff control external or internal timeswitch Historical billing value registers 7 operating time registers Event log
FUNCTIONS	Installation support on display Set mode via buttons Real-time clock with power reserve Instantaneous voltage values Voltage monitoring Current and power indication
HOUSING	Glass fiber reinforced, antistatic Crystal clear, unbreakable windows Wiring diagram under terminal cover Battery compartment under utility seal
COMMUNICATION	IEC62056-21 and DLMS DLMS with short and logical names

Quality and Safety: The extensive basic functionality meets all major IEC standards applicable to the respective requirements.

The unique, newly designed battery compartment cover permits simple and safe battery replacement at any time.

Battery 1: for clock reserve, fraud prevention and meter reading without power

Battery 2: clock reserve



ADDITIONAL FUNCTIONALITY AND NEW, INNOVATIVE DESIGN

The new ZxG meter range from Landis+Gyr offers you substantially increased protection against meter fraud and data access by unauthorised persons. Increased installation support is integrated in the meters.

The new ZxG meter range is immune to strong magnet fields and records manipulation attempts or opening of the meter housing or terminal cover.

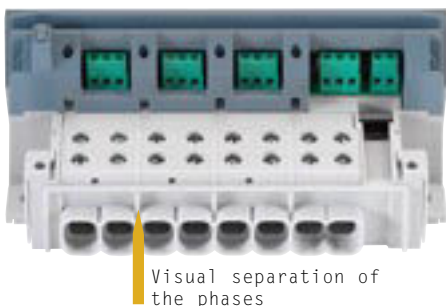
The meters recognise and record not only all these events, but are also able to differentiate between fraud detection, network quality, power quality and general events. The events can be read-out. A further possibility is the transmission of a warning message by SMS or via an output contact. This protection functions even when the power system voltage is not present.

The meter data can be read out from the display or the optical interface without power being connected.

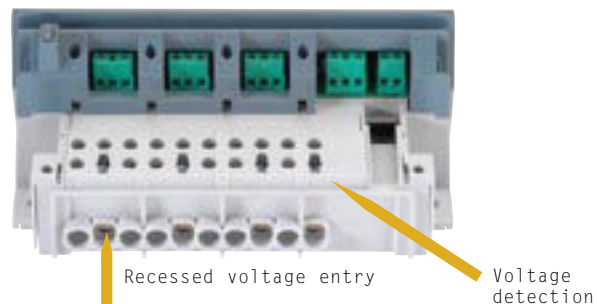
To prevent unauthorised data access, the number of communication attempts using the wrong password is limited.

Also the installation support has been improved. The terminals now have visual separation of the individual phases. On the ZxG400, the voltage inputs are recognisable by the recessed upper section of the terminal entry. The display also shows whether voltage and phase current is present immediately after connection.

ZMG310 / direct connection



ZxG400 / transformer connection



+ ADDITIONAL FUNCTIONALITY

	Landis+Gyr Dialog
ELECTRONICS	Interface for local communication and remote readout
TARIFF FUNCTIONS	Average demand Switching tables (active and passive TOU) Mixed control with programmable matrix
MEASURED VALUES	Power factor Instantaneous values for current phase angle frequency power factor
RECORDING	2 power factor registers Profile store with 14 channels
SPECIAL FUNCTIONS	Monitoring for power current power factor
FRAUD DETECTION	Hardware and software Per phase Ah measurement
EVENT DETECTION AND IDENTIFICATION	Standard Fraud detection Network quality Power quality
ACCESS PROTECTION	On all security levels and interfaces

+ SOFTWARE TOOLS

	Landis+Gyr MAP
MAP 120	Parameterisation Matching to primary data
MAP 110	Installation support Meter data readout Load profile analysis Display of event log (fraud detection, network quality, power, standard) Settings for communication Security system visualisation

ADDITIONAL BENEFITS

Added value means: The broad selection of measured quantities can be utilized via special registers. Evaluation of threshold value overshoots and undershoots provides for comprehensive analysis and control of loads and tariffs. Operational irregularities are detected, recorded and identified as fraud detection, network or power quality.

Enhanced operating and installation tools reduce user errors, and simplify installation and service.

In addition: alarms for new service and maintenance possibilities; MAP service tools for adaptation of standard functions, such as time-of-use tables, billing lists, profile memory or pulse outputs, and for remote parameter modification.

Landis+Gyr

DEFINING «MEANS OF PRECISION»

Outstanding solutions with persuasive intelligence, reliability and durability as the basis for enhanced customer process efficiency. This is our commitment. Continuously bearing in mind economic and ecological requirements to your advantage: optimal life cycle costs as well as safe recycling.

We set the standards in energy metering. That has been our passion since 1896, and will remain so in the future.

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Subject to changes

