Electricity Meter

Landis+Gyr E550

ZMG300/400

The optimal metering solution for
harsh environments

Configuration E550

The Landis+Gyr E550 meter is the right answer to your specific needs, covering applications in commercial and industrial field. With the new E55C modems it gives you a state of the art and cost effective solution for AMR.

E550		ZMG405C	ZMG410C	ZMG310C	ZMG410A	ZMG310A
Application	High voltage	●	●		●	
	Medium voltage	●	●		●	
	Low voltage	●	●	●	●	●
Connection Type	Transf. connection	●	●		●	
	Direct connection		●		●	
Metering accuracy *active/reactive	Class C (0.5)/1.0	●				
	Class B (1.0)/2.0		●	●	●	●
		Combi			Active	
Energy Type	Active energy	●	●	●	●	●
	Reactive energy	●	●	●		
	Apparent energy	●	●	●		

Communication Interfaces

The maximum communication speed of the RS232/RS485/RS422, powered RS232 and optical interfaces have been increased to 38,400 bps and 19,200 bps, respectively.
Additionally, extended modem support is available for RS232, including initialisation, periodic reset, etc.

		00	02	03	40	42	43	60	62	63	07	37
Interface 1	without	●			●			●				
	RS232		●			●			●			
	RS485			●			●			●		
	Powered RS232										●	●
Interface 2	without	●	●	●							●	
	CS				●	●	●					
	RS485											●
	RS422							●	●	●		

Additional Functionality

Tariff functions	Average demand
	Switching tables (active and passive TOU)
	Mixed control with programmable matrix
	Remote real time tariff control
Measured Values	Power factor
	Instantaneous values for current voltage, power, phase angle, frequency, power factor
Recording	2 power factor registers
	2nd load profile for diagnostic purposes
Special functions	Monitoring for power, current, power factor
	Losses calculation
	Distortion level calculation
Fraud detection	Hardware and software
	Per phase Ah measurement
Event detection and recording	Standard
	Fraud detection (DC magnet, terminal and front cover detection)
	Network quality
	Power quality
Access protection	On all security levels and interfaces

Software Tools

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

Communication with E55C

The E550 meter supports now the E55C module portfolio. The first member provides an innovative and price effective solution for AMR applications using GSM/GPRS network.